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कृषि और सम्बंधित गतिविधियाँ में निवेश के लिए सांकेतिक इकाई लागत : 2026-27

Indicative Unit Cost of Investment in Agriculture and Allied Activities: 2026-27

तमिलनाडु और केंद्र शासित प्रदेश पुडुचेरी
Tamil Nadu & Union Territory of Puducherry

राष्ट्रीय कृषि और ग्रामीण विकास बैंक

National Bank for Agriculture and Rural Development

तमिलनाडु क्षेत्रीय कार्यालय, चेन्नै

TAMIL NADU REGIONAL OFFICE, CHENNAI

NABARD

दृष्टि

ग्रामीण समृद्धि के लिए राष्ट्र का विकास बैंक

ध्येय

सहभागिता, संधारणीयता और समानता पर आधारित वित्तीय और गैर–वित्तीय सहयोगों, नवोन्मेषों, प्रौद्योगिकी और संस्थागत विकास के माध्यम से समृद्धि लाने के लिए कृषि और ग्रामीण विकास का संवर्धन

Vision

Development Bank of the Nation for Fostering Rural Prosperity

Mission

Promote sustainable and equitable agriculture and rural development through participatory financial and non-financial interventions, innovations, technology and institutional development for securing prosperity

कृषि और सम्बंधित गतिविधियाँ में निवेश के लिए सांकेतिक इकाई लागत : 2026-2027

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राष्ट्रीय कृषि और ग्रामीण विकास बैंक
NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT

तमिल नाडु क्षेत्रीय कार्यालय, चेन्नई
TAMIL NADU REGIONAL OFFICE, CHENNAI

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NABARD does not accept any financial liability to anyone using this report for any purpose. The cost and parameters suggested are based on information available with NABARD. All Unit costs are indicative in nature and there may be variations based on field / local conditions. Banks / government agencies may assess the credit requirement, considering the field level situations and keeping in view the technical feasibility, financial viability and also the bankability of investments.

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FOREWORD

Sustained growth in agriculture and allied sectors is intrinsically linked to the level and quality of investments made at the grassroots. Strengthening farm-level infrastructure, promoting diversification, and enabling adoption of improved technologies require a steady flow of well-structured investment credit.

The Indicative Unit Cost of Investments in Agriculture and Allied Activities for 2026–27 has been developed to support this objective by providing a practical reference for assessing capital requirements across a range of activities. The unit costs have been arrived at through a collaborative process involving financial institutions, line departments, and technical experts, ensuring that they reflect current field conditions and emerging trends.

These indicative benchmarks are intended to aid informed credit appraisal and planning. At the same time, due consideration may be given to local variations, scale efficiencies, and project-specific factors while arriving at financing decisions. A balanced and adaptive approach will help in aligning credit delivery with ground realities and borrower needs.

It is envisaged that this publication will contribute to improving the quality and pace of investment lending, thereby supporting productive asset creation and strengthening the rural economy.

I place on record my appreciation for the collective efforts of all stakeholders involved in this exercise and express confidence that this document will serve as a useful reference for enabling effective and timely credit support.

H. Manoj

Chief General Manager

1. MINOR IRRIGATION

A) New Wells

Sl. No.	Item of Investment	Specifications	Unit cost (₹)
1	Dug well in Hard stiff clay, gravel, stoney earth etc.	dia. 4.50m, depth 15m with RCC side walls of depth 4m (Average command area- 1 to 2 Ha)	6,85,000
2	Dug well in Hard stiff clay, gravel, stoney earth etc.	dia. 3m, depth 18m, with RCC side walls of depth 8m (Average command area- 2 Ha)	8,20,000
3	Dug well in Hard stiff clay, gravel, stoney earth etc.	dia. 5.0m, depth 15m, RCC side walls of depth 4m, boring 150mm × 15m (Average command area- 5 to 7 Ha)	7,50,000
4	Borewell in hard rock	dia. 9", depth 100m	1,19,000
		dia. 6", depth 330m	2,64,000
5	Tube well in Alluvium formations	dia. 8", depth 300'(100m), Casing and Filter Pipes for entire depth	5,95,000

Rates may vary according to site with respect to lead.
Repayment Period including Gestation period : 11-15 years
Gestation period : 23 months
Instalment frequency : Yearly

a. PUMPSETS: Submersible Pumpset for Bore well (Only for Electric pumpsets)

Sl. No.	Item of Investment	No. of Stages	Unit cost (₹)
1	1.5 HP	12	19,249
2	3 HP	4-8	21,982 - 35,858
		18 - 24	23,641 - 30,453
		30 - 40	21,443 - 36,212
3	4 HP	12	29,040
4	5 HP	3 - 5	34,670 - 39,721
		6 - 10	27,106 - 45,721
		11 - 15	29,024 - 54,127
		25 - 40	23,725 - 42,345
5	6 HP	4 - 12	36,342 - 44,120
		15	36,864
		20	54,912
		50	50,775
6	7.5 HP	4 - 8	36,802 - 45,613
		10 - 15	33,879 - 51,230
		16 - 20	39,543 - 54,800
		23 - 25	42,648 - 55,862
		35	74,700
7	10 HP	6 - 10	40,120 - 53,601
		14 - 20	45,831 - 65,693
		22 - 30	47,249 - 76,295
8	12.5 HP	5 - 10	56,653 - 61,640
		12 - 20	44,958 - 70,301
		25 - 30	55,100 - 75,472
		34 - 36	54,673 - 70,725
9	15 HP	9 - 12	58,880 - 65,922
		15 - 20	50,709 - 69,613
		30 - 35	75,665 - 94,722
10	17.5 HP	26 - 35	77,500 - 83,650
11	20 HP	15 - 18	68,894 - 87,713
		26 - 40	79,029 - 87,858
12	25.5 HP	5	73,600
13	30 HP	7	1,08,823

b. PUMPSETS: Submersible Pumpset for Open well * (Only for Electric pumpsets)

Sl.No	Item of Investment	No. of Stages	Unit cost (₹)
1	3 HP	1	18,537-29,028
		2	30,400
		3	36,808
2	5 HP	1	17,772-37,326
		2	33,416-32,445
		3	36,109-37,856
		4	42,600
3	7.5 HP	1	25,522-36,005
		2	35,535
		3	41,923-42,742
		4	48,215
4	10 HP	1	33,529-37,406
		2	51,991
		3	55,671-58,375
		6	70,742
5	12.5 HP	2	56,251
		3	60,028
		4	66,290
6	15 HP	2	60,608
		4	69,258

c. Electric motor Pumpsets with accessories and installation charges

Sl.No	Item of Investment	Unit cost (₹)
1	2 HP	94,000
2	3 HP	1,15,000
3	5 HP	1,80,000
4	7.5 HP	2,19,000

d. Diesel Pumpsets with accessories & installation charges

Sl.No	Item of Investment	Unit cost (₹)
1	5 HP	36,500-49,500
2	6.5 HP	47,500–61,000
3	7.5 HP	52,500–68,000
4	8 HP	57,500–73,000

Repayment Period : 9 years including 11 months Gestation period
Instalment frequency : Yearly

Note: Based on the field conditions, the make and model of the pumpsets may be decided, and banks may finance as per the prevailing market rates.

B) Drip Irrigation

Sl. No.	Crop	Specifications	Unit cost per 1 ha (₹)
1	Mango/Chiku/Tamarind	8 m & Above	60,000
2	Coconut	4 m to < 8 m	75,000
3	Guava, Lemon, Orange, Mosambi, Cashew	4 m to < 8 m	75,000
4	Papaya, Arecanut, Custard Apple, Pomegranate, Drumstick	2 m to 4 m	90,000
5	Grape	2 m to 4 m	90,000
6	Banana	2 m to 4 m	90,000
7	Sugarcane	1.2 m to <2.0 m	1,20,000
8	Cotton, Ginger, Vegetables, Rose	<1.2 m	1,35,000

Repayment Period : 10 to 15 years including 11 months gestation period
Instalment frequency : Yearly

C) Sprinkler Irrigation System

Sl. No	Item	Unit Size	Unit Cost (₹) (excluding pump)	Unit Cost (₹) (including pump)
1	HDPE Pipes 63 mm	1 ha	30,000 - 35,000	60,000 - 75,000
2	HDPE Pipes 75 mm	1 ha	35,000 - 40,000	70,000 - 85,000

Repayment period : 10-15 years with 1 year grace period.

D) Other Investments

Sl. No.	Item of Investment	Specifications	Unit Cost (₹)
1	Underground Pipeline for distribution system PVC 4kg/cm2	75mm	117/ metre
		90 mm	168/metre
		100 mm	264/metre

Photos are illustrative in nature

E) Solar Pumping System

Sl. No.	Item of Investment	Total Cost per system (₹)	Unit Cost (₹ Per Watt Peak)	
A. Submersible Pumps with Normal Controller (water filled motor)				
1	5 HP AC (4800 Wp)	3,00,564	63	
2	5 HP DC (4800 Wp)	3,00,564	63	
3	7.5 HP AC (6750 Wp)	4,23,077	63	
4	7.5 HP DC (6750 Wp)	4,23,077	63	
5	10 HP AC (9000 Wp)	5,18,038	58	
6	10 HP DC (9000 Wp)	5,18,038	58	
7	12.5 HP AC (11250 Wp)	6,50,678	58	
8	12.5 HP DC (11250 Wp)	6,50,678	58	
9	15HP AC (13500 Wp)	7,83,862	58	
10	15HP DC (13500 Wp)	7,83,862	58	
B. Surface Pumps with Normal Controller				
1	3 HP AC (2700 Wp)	2,06,257	76	
2	3 HP DC (2700 Wp)	2,06,257	76	
3	5 HP AC (4800 Wp)	2,98,931	62	
4	5 HP DC (4800 Wp)	2,98,931	62	
5	7.5 HP AC (6750 Wp)	4,20,246	62	
6	7.5 HP DC (6750 Wp)	4,20,246	62	

Note: Unit cost per Wp is inclusive of supply, installation, transportation, taxes, 5 years comprehensive maintenance and insurance. The cost is indicated as per the norms of Ministry of New and Renewable Energy (MNRE), GoI.

Repayment including gestation period : 11 -15 years
Instalment Frequency : Yearly

[Subsidy schemes like Chief Minister's Solar Powered Pumpset Scheme (Tamil Nadu Specific) providing 70 % subsidy for Small and Marginal farmers (nodal agency-Agriculture Engineering Department)
PM-KUSUM Yojana under Ministry of New and Renewable Energy (MNRE) offering subsidy up to 60% (30 % state share and 30% central share) on solar pumps.]

SPECIAL TERMS AND CONDITIONS – MINOR IRRIGATION SCHEMES

A. DW/BW/PP/TW/DOW/PUMPSET, etc.

1. **Ground Water Development**: Bank shall ensure that the ground water development programmes are implemented in "Safe" and "Semi Critical" Blocks, and technical clearance from the State Government Department is obtained before extending the credit facility.
2. **Spacing:** The minimum spacing to be maintained between dug wells, other minor irrigation structures shall be as indicated below:
   1. Between two Dug wells with or without pumpset : 150 m
   2. Between two shallow Tubewells / Filter Points with pumpsets : 175 m
   3. Between a Dug well with pumpset and shallow Tubewell / Filter Point : 162.5 m
   4. The spacing criteria is also applicable to single purpose investments such as energisation of wells with oil engine or electric motor as also to deepening of existing wells.
3. **Renovation / Deepening of wells**
   1. Only those wells having insufficient water column in summer and need deepening to ensure adequate yield for meeting the water requirement of crop command should be covered under the programme.
   2. An officer of the implementing bank shall check atleast 20% of the programme financed for development of wells and submit a report to bank giving quantitative values of depth, rates and cost of deepening / desilting / lining works carried out

   3. The spacing norms (as per 2 above) between wells may be adhered to under ROW/DOW.
4. **Electric Supply:** Before approving loan for electric pumpsets, the bank shall satisfy itself that the village is electrified and that timely power supply would be available to the beneficiary for operation of the pumpset.
5. **Minimum acreage and sale of water**

   It is necessary that the beneficiary has the following minimum area of land to be brought under irrigation to ensure viability of investments and repayment of loans in the prescribed period.

6. **Type of Structure [Benefitting Area (ha)]**

1.	Dug well with pumpset	1.0
2.	Borewell with SIP	1.6
3.	Shallow Tube wels	2.0
4.	Filter Point well	0.4

   If the beneficiary's own irrigated area is less than the area which can be irrigated by well/ borewell, the beneficiary can sell surplus water to the neighbouring farms. The income from sale of water. If guaranteed, may also be reckoned for the purpose of viability of investments upto a maximum of 50% of loan repayment instalment.

7. **Selection and Installation of Pumpsets**
   a) The bank shall ensure that the pumpsets financed are BIS certified.
   b) In case of second hand pumpsets financed under the scheme, if any, the bank shall obtain a certificate from its technical officer that the useful balance serviceable life of the second hand pumpset is adequate to cover the repayment period of the loan for pumpset.

   c) Wherever loan is advanced for replacement of existing pumpset by new pumpset, or for replacement of diesel pumpset by electric pumpset in critical and over exploited blocks the bank shall ensure that there is no change in the HP of the pumpset and that the new pumpset installed also confirms to BIS norms.

d) Bank shall ensure that the spacing criteria as stipulated in para 2 above are adhered to while financing for pumpsets as well.

e) Wherever loans are advanced for standby pumpset bank shall ensure that the standby unit is also selected as per the BIS norms and the loans, both for existing pumpset and the standby unit are recovered together within the normal recommended repayment period.

f) Wherever higher HP pumper is required for use other than irrigation with common prime mover, total HP of pumpset selected shall not exceed 105 times the HP required for irrigation purpose, subject to a maximum of 10 HP.

g) **Capacitors:** The electric motor financed to be with a starter and a capacitor matching the motor.

The following KVAR rating for Capacitors is recommended for use:

Below 3 HP	- 1 KVAR
3 HP to 5 HP	- 2 KVAR
5 HP to 7.5 HP	- 3 KVAR

8. After Sales Service

Bank shall ensure that adequate after sales services and repair facilities are provided by the manufactures / dealers installing the pumpset on beneficiary's well and that such service is provided free of charge during the first year of installation.

9. Before advancing loans for underground pipelines system, bank shall verify the invoice order regarding the quantity of pipes required by the farmer and shall also ensure that entire length of pipelines for which loans advanced, are actually laid down.

10. Wherever subsidy is available under any programme of the State / Central Government or any other subsidy scheme, the bank shall avail refinance net of subsidy.

11. Water Lifting Permission

Where financing pumpset for lifting water from rivers / canals is envisaged, a letter from competent authority in the concerned Department of the State Government authorizing the beneficiary to lift water from river / canal and indicating the period upto which such a permission is given, should be obtained and submitted to the bank before processing loan proposal. The bank may also ensure that permission for lifting water is available for a period which will cover at least 3 years longer than the repayment period of loans.

B. SPRINKLER IRRIGATION SYSTEM

1. The bank should ensure that adequate water of suitable quality to cover the envisaged area is available at the nearest location
2. Design of the system for a given cropping pattern should be done by a technically competent person / agency taking into consideration the source and availability of water, wind velocity in different seasons, soil conditions agro climatic situations etc. to ensure installation of most economical and efficient system at the farm level.
3. A plan of the area showing field layout and cost estimate of the system should be prepared by the implementing agency and appraised by the financing bank.
4. The components of the system including pipes should conform to BIS Specifications. Any change in technical design or cost during implementation of the scheme should have adequate justifications and prior approval of the financing bank and NABARD.
5. The implementing agency / manufacturers should offer performance guarantee of the system for a reasonably longer period against any defect either manufacturing/ working or installation. The firm should extend regular after sales / service for maintenance.
6. The sprinkler, pipes, accessories, motor, etc., should be safeguarded against theft, fire, burglary, etc.
7. The bank should conduct periodic monitoring to assess the working performance of the system and take corrective steps wherever required.

C. DRIP-IRRIGATION SYSTEM

1. The bank should ensure that only a technically competent and approved person or firm designs and installs the system at the field level.
2. Availability of adequate water of suitable quality (chemical and physical) on a long-term basis should be ensured for smooth operation of the system. The system design and cost estimates may be done taking into consideration the optimum water requirement of each plant, benefiting area, cropping pattern, plant spacing, soil characteristics, pan evaporation, design discharge, operation pressure of the emitters etc.,
3. The installing agency should prepare a plan and field layout of the system and suggest efficient design of the system along with the cost of each item.
4. The installing agency should furnish performance guarantee for the efficient operation for the system as also ensure timely and adequate after sales service for trouble free working of the system.
5. Bank should carry out periodic monitoring of the implementation and assess the performance of the system at the field level.
6. The pipes (main and lateral), drippers / emitters, other accessories should be safeguard against theft, robbery, fire, etc.
7. The system components should conform to BIS specification.

2. LAND DEVELOPMENT

Sl.No.	Item of Investment	Specifications	Quantity	Cost using Machinery (₹)
1	Graded bunding	0.75 SqM cross section, 210 m length per ha	158 Cum@ ₹ 63.35/-	10,009
2	Farm bunding upto 4% field slope light soil	0.75 SqM c/s 200 m/ha	150 Cum @ ₹ 63.35/-	9,503
	upto 4% field slope medium soil	0.75 SqM c/s 200 m/ha	150 Cum @ ₹ 63.35/-	9,503
	upto 4% field slope heavy soil	0.75 SqM c/s 200 m/ha	150 Cum @ ₹ 63.35/-	9,503
3	Field drainage for wetlands	2.52 SqM c/s 65 m/ha	164 Cum @ ₹ 45.80/-	7,511
4	Farm Pond with berms of 2 m, inlet and outlet with 300 mm RCC pipes, trees plantation and boards- including GST	28 m × 28 m ×2 m with inlet and outlet provision, Lead etc.,		1,55,000
5	Land levelling & shaping/ha *	Slope: upto : 1%	10 Bulldozer hour	12,300
		Slope: 1-2%	20 Bulldozer hour	24,600
		(c)Slope: 2-3%	30 Bulldozer hour	36,900
6	Fencing (running metres)	Barbed per running metre	1 running metre	1466**

* Prevailing private hire charges for Bulldozer is ₹1,550/- per hour for Land Development works

** Barbed wire (6 straight line and 2 diagonal line), cut stone pillar (0.15x0.15x2.10m), with depth of foundation 0.75m below ground level (cut stone pillar 0.6 m below ground level).

Repayment Period : 9 years including 2-year grace period.
Instalment frequency : Yearly

Photos are illustrative in nature

3. FARM MECHANISATION

A. Machineries

Sl.No.	Name of the Machinery	Unit Cost (₹)
1	Tractor 2WD (up to 20 PTO HP)	3,40,180 - 4,67,297
2	Tractor 4WD (up to 20 PTO HP)	3,42,252 - 6,16,875
3	Tractor 2WD (above 20 PTO HP and up to 40 PTO HP)	4,83,940 - 8,24,438
4	Tractor 4WD (above 20 PTO HP and up to 40 PTO HP)	4,83,459 - 9,58,875
5	Tractor 2WD (above 40 PTO HP and up to 50 PTO HP)	7,28,394 – 9,75,489
6	Tractor 4WD (above 40 PTO HP and up to 50 PTO HP)	7,97,281 - 12,86,351
7	Tractor 2 WD (Above 50 PTO HP)	9,91,045 – 11,07,386
8	Tractor 4 WD (Above 50 PTO HP)	9,88,327 - 13,71,044
9	Combine Harvester (Track type) - > 6 feet cutter bar width)	22,02,794 - 28,59,375
10	Combine Harvester (Wheel type self-propelled)	30,00,000 - 36,21,094
11	Power Tiller (8 BHP and up to 11 BHP)	1,59,497 – 2,03,063
12	Power Tiller (above 11 BHP)	1,99,518 – 2,43,750
13	Self -propelled Rice Transplanter – walk behind type (4 rows)	2,36,531 – 2,85,937
14	Self -propelled Rice Transplanter – 4 rows and up to 8 rows – Walk Behind Type	3,04,031 – 3,68,438
15	Self -propelled Rice Transplanter – 4 rows and up to 8 rows – Riding type	11,99,954 -18,28,125
16	Power Weeder (engine operated below 2 BHP)	45,524 - 74,063
17	Power Weeder (engine operated 2 BHP and below 5 BHP)	26,399 - 1,06,365
18	Power Weeder (engine operated 5 BHP and below 7.5 BHP)	43,898 - 1,54,687
19	Power Weeder (engine operated 7.5 BHP and above)	84,375 - 2,34,376
20	Rotavator (upto 4 feet)	56,250 - 85,149
21	Rotavator (upto 5 feet)	75,000 - 1,34,958
22	Rotavator (6 feet)	93,750 - 1,70,592
23	Rotavator (7 feet)	1,18,125 - 1,59,375
24	Seed-cum-Fertilizer drill	45,147 – 85,820
25	Drum seeder (Direct Paddy Seeder)	5344
26	Cultivator (Five tyne) rigid & Spring type	40,125 – 46,917
27	Cultivator (Nine tyne) rigid & Spring type	38,437 – 50,308
28	Brush Cutter	16,000 - 39,000
29	Ground nut digger	1,79,666
30	Balers Round- Medium above 16-40 kg per bale	2,94,000 - 3,82,500
31	Balers Rectangular up to 20 kg per bale	10,35,799 - 12,55,077

Photos are illustrative in nature

Sl.No.	Name of the Machinery	Unit Cost (₹)
32	Coconut Frond Chopper	82,031 - 2,28,750
33	Multi Crop Thresher (above 4 tone/hr capacity)	3,74,063 – 5,43,775
34	Chaff Cutter	20,062 - 39,563
35	Tipping Trailer/ Trolley (upto 5 Ton Capacity)	2,27,812 - 2,80,548
36	Bund Former (Tractor drawn)	61,875
37	Ridge moulder/ Ridge plaster	3,42,188
38	Straw Chopper/ Shredder/ Mulcher	1,82,602 - 2,07,839
39	Mould Board Plough (Reversible Hydraulic Plough)	99,375 – 2,78,410
40	Tractor front mounted reaper	1,68,019
41	Pneumatic Planter	5,58,928
42	Power Harrow	1,80,682
43	Fertilizer Spreader	42,000
44	Mobile Paddy Dryer (Tractor PTO operated, capacity 3000 kg/Batch, Source of heat- Indirect fired heat exchanger & diesel burner)	23,87,140 – 27,41,140
45	Sugarcane Trash cutter	1,89,407
46	Sugarcane Sett cutter	1,87,500
47	Self-Propelled Tool bar ride on type	2,73,281
48	Sub Soiler	70,313 - 93,750
49	Post hole Digger / Earth auger (Self-propelled)	32000
50	Battery operated sprayer (Manual)	1,500 - 5,157
51	Power operated sprayer	7,781 - 10,124
52	Tractor operated Boom sprayer	2,51,303
53	Laser Leveller	3,37,500
54	Tea leaf Harvester (Handheld)	15,000
55	Manual Cotton Plucker (Battery Operated)	9,206
56	Kisan Drone (Small)	5,49,999 - 6,00,000
57	Kisan Drone (Medium)	5,99,960 - 7,70,000
58	Sugarcane harvester (Self-propelled, 20 WD with De- topper & chopper mechanism)	88,12,500 – 90,00,000
59	Self-propelled riding type vertical conveyor reaper	2,00,000-3,50,000
60	Paddy harrow / Puddler	25,000-35,000
61	Groundnut digger shaker/harvester	1,50,000-2,50,000
62	Groundnut thresher	2,75,000-3,75,000
63	Cono weeder	1500-2500
64	Tractor drawn land leveler	15,000-30,000
65	Maize Combine Harvester	28,68,000- 31,50,000
66	Drone	6,70,000- 8,80,000

Photos are illustrative in nature

Sl.No.	Name of the Machinery	Unit Cost (₹)
67	M.B plough	35,000-60,000
68	Disc plough	45,000-60,000
69	Disc harrow	45,000-65,000



B. Solar Dryer

Solar drier for Vegetables and fruits including the cost of poly carbonate sheets, kadappa stone flooring, equipment for temperature and humidity control and erection charges

Sl. No.	Solar drying unit floor area (in sq. ft)	Approved Rate per sq. ft (₹)	Total cost of unit (₹)
a) Rate without optional items (Trays and Trolleys)			
1	400	806	3,22,400
2	601	778	4,67,578
3	801	752	6,02,352
4	1000	752	7,52,000
B. Rates with optional items (Trays and Trolleys)			
1	400	806	4,84,768
2	601	778	7,11,130
3	801	752	9,27,088
4	1000	752	10,76,736

(For Post-harvest Management 40–60% subsidy on solar dryers for drying fruits, vegetables, spices, etc are available under Mission for Integrated Development of Horticulture (MIDH) and National Horticulture Board (NHB) schemes. Bankers may encourage the applicants to check with District Horticulture Officer or visit the NHB portal for more details.)

C) Solar Fencing

Sl. No.	Description of work	No. of lines	Total cost of the unit (₹)
1.Normal Type of Solar Fencing Unit			
1	Total cost for supply and installation of solar fencing unit (inclusive of all)	5	2,25,366
2		7	2,43,825
3		10	2,72,170
2.Hanging Type of Fencing Unit			
4	Total cost for supply and installation of solar fencing unit (inclusive of all)	5	2,88,559
5		7	3,08,628
6		10	3,38,565


Note: Unit costs have been recommended in range, as there are many suppliers and manufacturers for Agriculture machineries. However, banks may finance all items as per the quotation for the specific make & model. Rates prescribed are indicative. The approved rates are inclusive of design, supply and installation.

Photos are illustrative in nature

E. Post Harvest and Value addition Equipment for Food grains, Oilseeds and Horticulture crops

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
1	Mini Oil Mill without filter Press (for all types of Horticulture / Food grain/ Oilseed crops)	Oil Mill	Wood King	2,61,960	Name of Machine / Equipment : Oil Mill Type : Electricity / Power operated Model : Wood King Feed capacity : 18 – 20 kg / hour Power Unit : Provision & Type : Electricity /Power / Motor operated and belt pulley Type of Prime mover : Electricity operated 3 HP Three phase motor (ABV) Motor Power, hp – 3 Type of drive - V belt pulley through shaft
2		Oil Mill	Eco	2,61,960	Name of Machine / Equipment : Oil Mill Type : Electricity / Power operated Model: Eco Provision & Type : Electricity /Power / Motor operated and belt pulley Type of Prime mover : Electricity operated 5 HP Three phase motor, Motor Power, Hp – 5 Type of drive - V belt pulley through shaft Main parts of Eco series Oil Mill Average feed rate capacity – 20 Kg/hr
3		Multi Oil Extraction Wooden Machine	Wood Star	2,71,400	Name of Machine / Equipment : Multi Oil extraction Wooden Machine Type : Power operated Model : Wood Star Expelling capacity : 30 kg / hour Weight of the machine- 465 kg Power Unit : Provision & Type : Electrically /Power / Motor operated and belt pulley drive Type of Prime mover : Electrically operated 5 HP ISI AC induction motor. Motor power – 5 HP Motor Phase- 3 Phase Type of drive - V belt & pulley drive through shaft Main parts of Multi Oil extraction Wooden machine

Photos are illustrative in nature

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
4	Mini Oil Mill without filter Press (for all types of Horticulture / Food grain/ Oilseed crops)	Oil Mill	K Series	2,77,300	Name of Machine / Equipment : Oil Mill Type : Electricity / Power operated Model : K –series Feed capacity : 20 -24 kg / hour Power Unit : Provision & Type : Electricity /Power / Motor operated and belt pulley Type of Prime mover : Electricity operated 7.5 HP Three phase motor (Havels) Motor Power, hp – 7.5 Type of drive - V belt pulley through shaft
		Multi Oil Extraction Machine	Maxi SS without Filter	3,12,700	Name of Machine / Equipment : Multi Oil Extraction Machine Type : Power operated Model : Maxi SS Expelling capacity : 30 - 36 kg / hour Power Unit : Provision & Type : Electrically /Power / Motor operated and belt pulley drive Type of Prime mover : Electrically operated 10 HP ISI AC induction motor Type of drive - Ribbed flat belt & pulley drive through shaft
		Multi Oil Extraction Machine	Jumbo SS without Filter	3,65,800	Name of Machine / Equipment : Multi Oil Extraction Machine –Without Filter Type : Power operated Model: Jumbo SS Expelling capacity : 60 kg / hour Power Unit : Provision & Type : Electrically /Power / Motor operated and belt pulley Type of Prime mover : Electrically / operated 12.5 HP ISI AC induction motor Motor Power, hp – 12.5

Photos are illustrative in nature

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
5	All types of Grinder/ Pulveriser/Polisher (for all types of Horticulture/ Food grains/ Oilseed crops)	Oil Cake / Seed Pulveriser	AP-01	76,700	Name of Machine / Equipment : Oil Cake / Seed Pulveriser Type : Power operated Model: AP 01 Pulverising capacity : 150 kg / hour Weight of the Machine- 143 kg Power Unit : Provision & Type : Electrically /Power / Motor operated and belt pulley drive Type of Prime mover : Electrically / operated 5 HP ISI AC induction motor Motor Power, hp – 5 Moto phase- Three phase Type of drive - V belt & pulley drive through shaft
		PHM - Mini Flour Mill	Flour Series-3 SS	51,330	Name of Machine / Equipment : PHM - Mini Flour Mill Type : Electricity / Power operated 3hp Single Phase Model : Flour Series 3 SS Feed capacity : 36 kg / hour Power Unit : Provision & Type : Electricity /Power operated Type of Prime mover : Electricity operated Motor Type of drive - Direct drive through motor Shaft
6	All types of Power driven Dehusker/ sheller/ thresher/ Harvester/ De-spiking/ Deconing Machine/ Peeler/ Spliter/ Stripper// Shredder (for all types of Horticulture / Food grain/ Oilseed crops)	Mini rice mill (dehusker)	BAE/MR-01	52,000	Name of the Machine : Mini Rice Mill (Dehusker) Type – Electricity / Power operated Model: BAE / MR-01 Power Unit Provision & Type – Electricity/ Power/Motor operated and belt pulley Type of prime mover - Electrically operated Motor power, HP – 3HP, Single phase Type of drive – V -belt pulley Average feed rate capacity for Paddy - 156.93kg/ h

Photos are illustrative in nature

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
7	All types of Power driven Dehusker/ sheller/ thresher/ Harvester/ De-spiking/ Deconing Machine/ Peeler/ Spliter/ Stripper// Shredder (for all types of Horticulture / Food grain/ Oilseed crops)	Coconut Dehusker (2 HP)	Ars Nano	1,40,001	Name of the Machine : Coconut Dehusker (2hp) Type – Power operated Model: Ars Nano Size of Dehusker, mm (LxWxH)- 1145x725x1210 mm Weight of the Machine – 164 kg Power Unit: Provision& Type – Electrically/ Power/Motor operated and Belt Pulley Type of prime mover - Electrically operated 2 hp ISI AC Induction motor with capacity starter Motor power, hp – 2 HP Motor Phase – Single Phase Type of drive – Chain drive with gear box through shaft Average Feed rate, coconuts per hour- 849-864 nuts/hr Average Power consumption-0.60-0.63 kWh Speed of motor-1337--1351 rpm Average dehusking efficiency-95.6- 96.07 % Average dehusking capacity of machine, coconuts per hour – 816-826 nuts/ hr
8	Mini Dal Mill - Capacity 50 kg/ hr and below 100 kg/hr	Mini Dhall Mill	3 MDM	1,45,199	Type : Power operated Model: 3MDM Milling capacity, kg/hr - 50 – 100 Weight of the machine - 240 kg Power Unit : Provision & Type : Electrically / Power / Motor operated and Belt pulley Type of Prime mover : Electrically operated 3 HP AC Induction motor Motor Power, HP – 3 Motor Phase – Three Phase Type of drive - V – Belt drive through shaft Hopper capacity (for black gram), kg – 19 Constructional details – Hopper is made up of MS sheet (1.6 mm thickness) and is inverted truncated pyramid in shape

Photos are illustrative in nature

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
9	All types of Grinder/ Pulveriser/Polisher (for all types of Horticulture / Food grain/Oilseed crops)	Chilly pounding Machine 3 HP	AKASH CP2	56,640	Name of Machine / Equipment - Chilly Pounding machine (3 HP) Type : Power operated Model. : Akash CP2 Feed rate,kg/hr : 8 kg/ hr Weight of the machine, kg : 190 kg Colour of the machine: Green with Orange Power Unit: Provision & Type: Electricity/ Power/ Motor operated and belt pulley Type of prime mover: Electricity Operated 3hp AC induction motor with starter. Motor Power, hp: 3 Motor phase : Three phase Type of drive : V-Belt & pulley drive through shaft Hopper capacity(whole chilly),kg : 2.5 Fabrication details, mm: Hopper and pounding base are made up of cast iron (7.5 mm thick) and is inverted truncated cone shape.
		Chilly pounding Machine (2+1 hp)	AKASH-CP3	64,900	Name of Machine / Equipment - Chilly Pounding machine (2+1 HP) Type : Power operated Model. : Akash CP3 Feed rate,kg/ hr : 6 kg / hr Weight of the machine,kg : 241 kg Weight of sieve shaker, kg :60 kg Colour of the machine: Green with Blue Power Unit: Provision & Type: Electricity/ Power/ Motor operated and belt pulley drive Type of prime mover: Electricity Operated 2 hp ISI AC induction motor with starter. Motor Power, hp: 2 HP Motor phase : Three phase Type of drive : V-Belt & pulley drive through shaft Sieve Shaker : Provision & Type: Electricity/ Power/ Motor operated and belt pulley drive Type of prime mover: Electricity Operated 1 hp AC induction motor with starter. Motor Power, hp: 1 Motor phase : Three phase Type of drive : V-Belt & pulley drive through shaft Hopper capacity(whole chilly),kg : 3 kg

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
10	All types of Grinder/ Pulveriser/Polisher (for all types of Horticulture / Food grain/Oilseed crops)	Pulverizer (1 hp)	AKASH-1SSP	25,960	Type : Power operated Model: Akash – 1SSP Feeding rate, kg/hr - 8 Kg/hr Weight of the machine – 35 kg Power Unit :Provision & Type : Electricity /Power / Motor operated and direct coupling Type of Prime mover : Electricity operated 1 HP AC Induction Motor with capacitor starterMotor Power, hp – 1 HPMotor Phase – Single Phase Type of drive - Direct coupling with motor
		Pulverizer (3 hp)	AKASH-3SSP	52,000	Type : Power operated Model: Akash – 3SSP Feed rate, kg/hr - 25 Kg/hr Weight of the machine –80 kg Power Unit : Provision & Type : Electrically /Power / Motor operated and direct coupling Type of Prime mover : Electricity operated 3 HP AC Induction Motor with capacitor starter Motor Power, hp – 3 HP Motor Phase – Single phase Type of drive - Direct coupling with motor
11	All types of Power driven Dehusker/ sheller/ thresher/ Harvester/ De-spiking/ Deconing Machine/ Peeler/ Spliter/ Stripper// Shredder (for all types of Horticulture / Food grain/ Oilseed crops)	Decorticator Cum Grader	2 DCG	1,14,608	Name of Machine / Equipment - Decorticator cum Grader Type : Power operated Model. : 2 DCG Machine Dimension (LxBxH), mm: 1848 x 1002x 1380 Decorticating capacity, kg/hr: 200 Weight of the machine, kg : 390 Power Unit: Provision & Type: Electrically/ power/ Motor operated & Belt pulley Type of prime mover: Electrically operated 2 HP AC induction motor Motor power,HP: 2 Motor phase: Three phase Type of drive: V- Belt drive through shaft

Photos are illustrative in nature

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
12	Mini Oil Mill without filter Press (for all types of Horticulture / Food grain/ Oilseed crops)	Oil Mill	Neptune 0.5 HP	19,800	Type : Power operated Model: NEPTUNE (0.5 HP) Machine Dimension (Lx W x H), mm: 460 x 240x 190 Expelling capacity (Groundnut), kg/h):2-5 Weight of the Machine, kg: 10.2 Colour of the machine: Silver Power Unit: Provision and Type: Electrically/ Power/ Motor operated & Gear drive Type of prime mover: Electrically operated 0.5 HP AC induction motor with capacitor starter Motor power, HP: 0.5 Motor phase: Single phase Type of drive: Gear drive through direct coupling Main parts of Oil Machine: Feed Hopper Length, mm: 205 Width, mm: 163 Height, mm: 55 Front slant length, mm: 100 Back slant length, mm: 65 Hopper fibre plastic thickness, mm: 3 Feed opening size (L x W). mm: 38 x 38 Thickness of sheet material, mm: 0.8 Hopper capacity (for groundnut), kg : 1.2 Hopper cap sheet size (L x W x T), mm: 205 x 162 x 0.5 Construction details: Hopper is made up of Fibre plastic (3 mm thickness) with a total capacity of 1.2 kg for groundnut. Hopper is of inverted truncated frustum of pyramid shape.

Photos are illustrative in nature

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
13	Mini Oil Mill without filter Press (for all types of Horticulture / Food grain/ Oilseed crops)	Automatic SS Steel Rotary Iron Machine	AKASH 10 SR	2,80,000	Name of Machine / Equipment : Automatic SS Steel Rotary Iron machine Type : Power operated Model : Akash 10SR Expelling capacity : 8 – 15 kg / batch (as specified by manufacture) Weight of the machine, kg:750 Power Unit : Provision & Type : Electrically /Power / Motor operated and belt pulley Type of Prime mover : Electrically operated 10 HP ISI AC induction motor Motor Power, hp – 10 HP Motor phase- 3 Type of drive - V belt drive through shaft. Construction details – Hopper is made up of Stainless steel sheet of 1.5 mm thickness. Its total capacity is 20 kg. Hopper is of inverted truncated frustum of cone in shape
14	Mini Oil Mill without filter Press (for all types of Horticulture / Food grain/ Oilseed crops)	Automatic Wood & Stone Oil Extracting machine	3AWSOM	2,60,000	Name of Machine / Equipment : Automatic Wood and Stone Oil Extracting Machine Type : Power operated Model : 3AWSOM Machine dimension (L x W x H), mm: 657x1423x1422 Feeding Capacity, kg: 15-20 Weight of the Machine, kg: 570 Power Unit : Provision & Type : Electrically / Power / Motor operated and belt pulley Type of Prime mover : Electrically operated 3 HP ISI AC induction motor Motor Power, hp – 3 Motor phase- Three Phase Type of drive - V belt drive through shaft. Fabrication details – Hopper is made up of Stainless steel (SS) of 2mm thickness. Hopper is inverted truncated cone shape with the capacity of 20 kg.

Photos are illustrative in nature

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
15	All types of Grinder/ Pulveriser/Polisher (for all types of Horticulture / Food grain/Oilseed crops)	Pulverizer 3 HP	Gajalakshmi 3 HP (2 in 1)	44,810	Name of the machine : Pulveriser (3hp) Type : Power operated Model: Gajalakshmi 3 hp (2 in 1) Feeding capacity, kg/hr - 10-15 (wheat) Weight of the machine : 55 kg Power Unit: Provision and Type: Electrically/ Power/ Motor operated and Direct Coupling Type of prime mover: Electrically operated 3 hp AC induction motor with Capacitor Starter Motor power, hp: 3 hp Motor phase: Single Phase Type of driver: Direct coupling with motor
16		Pulverizer 2 HP	Gajalakshmi 2 HP (2 in 1)	36,500	Name of the machine : Pulveriser (2 hp) Type : Power operated Model: Gajalakshmi 2 hp (2 in 1) Dimension L X W X H : 600 X 320 X 930 Feeding capacity, kg/hr - 10-15 (wheat) Weight of the machine : 40 kg Power Unit : Provision & Type : Electrically / Power / Motor operated & Direct coupling. Type of Prime mover : Electrically operated 2hp AC induction motor with capacitor starter. Motor power Hp : 2 Motor phase : Single Phase Type of drive : Direct coupling with motor

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
17	Mini Oil Mill without filter Press (for all types of Horticulture / Food grain/ Oilseed crops)	Oil Mill - Rotary Oil Extraction Machine (10 HP)	SS	2,80,000	Name of the Machine :Oil Mill- Rotary oil extraction- Machine (10HP) Type : Power operated Model : SS Machine Dimension(LxWxH) – 1545x816x1815 Expelling capacity kg/ hr :60 Weight of the Machine, kg – 760 Power Unit : Provision &Type : Electrically /Power / Motor operated and belt pulley drive Type of Prime mover : Electrically operated 10 HP AC induction motor with Starter Motor Power, hp – 10 Motor phase- Three phase Type of drive - V belt and pulley drive through shaft
18	All types of power driven Dehusker/ Sheller/ threshers/ Harvesters/ De-spiking/ Deconing Machine/ Peeler/ Spliter/ Stripper// Shredder (for all types of Horticulture / Food grain/ Oilseed crops)	Coconut Dehusker (3HP)- with and without crown	SVB-DH-3	1,89,375	Name of Machine / Equipment : Coconut Dehusker (3hp) Type : Power operated Model : SVB-DH-3 Machine dimension (LxWxH), mm: 2110x1370x1510 Machine Capacity, nuts / h: 1000 Weight of the machine, kg: 510 Power Unit : Provision & Type : Electrically /Power / Motor operated and belt pulley Type of Prime mover : Electrically operated 3 HP ISI AC induction motor with capacitor starter Motor Power, hp – 3 Motor Phase: Three phase Type of drive - Chain drive with gear box through shaft

Photos are illustrative in nature

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
19	Mini oil Mill without filter Press (for all types of Horticulture / Food grain/ Oilseed crops)	Automatic Wooden Oil Mill (VoC Make)- 3 HP	VoC Make	2,89,100	Name of Machine / Equipment : Automatic wooden oil machine (VoC Make) Type : Power operated Model: VoC Make Feed capacity : 8 – 18 kg / hour Weight of the machine: 503 kg Power Unit : Provision & Type : Electrically /Power / Motor operated and belt pulley Type of Prime mover : Electrically operated 3 HP AC induction motor with capacitor starter Motor Power, hp – 3 Motor phase-3 Type of drive - V belt drive through shaft
		Automatic SS steel Rotary Machine (Nethaji)	Nethaji	3,77,600	Name of Machine / Equipment : Automatic SS Steel Rotary Iron Machine-Nethaji Type : Power operated Model: Nethaji/190 Feed capacity : 8 – 15 kg / hour Weight of the machine, kg : 750 Power Unit : Provision & Type : Electrically /Power / Motor operated and belt pulley Type of Prime mover : Electrically operated 10 HP ISI AC induction motor Motor Power, hp – 10 Motor phase- 3 Phase Type of drive - V belt drive through shaft Construction details – Hopper is made up of Stainless steel sheet of 1.5 mm thickness. Its total capacity is 20 kg. Hopper is of inverted truncatred frustrum of cone in shape

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
20	Mini oil Mill without filter Press (for all types of Horticulture / Food grain/ Oilseed crops)	Automatic Stone and Wood Oil Extraction Machine- VoC- 5 HP	Voc Make	4,00,000	Name of the Machine : Automatic Stone and Wood Oil Extraction Machine Type : Power operated Model : VOC Machine Dimension(LxWxH), mm – 1830x915x1675 Expelling capacity kg/ batch :12-30 Weight of the Machine, kg – 900 Power Unit : Provision &Type : Electrically /Power / Motor operated and belt pulley drive Type of Prime mover : Electrically operated 5 HP ISI AC induction motor with Starter Motor Power, hp – 5 Motor phase- Three phase Type of drive - V belt and pulley drive through shaft Hopper capacity (for Groundnut), kg - 30 Fabrication Details,mm: Hopper is made up of stainless steel (SS) sheet (1.5 mm thick). Its capacity is 30 kg. Hopper is of inverted truncated cone shape. It is fixed at the top of the crushing chamber
21	All types of Grinder/ Pulveriser/Polisher (for all types of Horticulture / Food grain/Oilseed crops)	12" Bullet Plate Mill 10 HP- Annai Therasa	AnnaiTherasa	1,35,700	Name of Machine / Equipment : 12” Bullet Plate Mill 10 hp – Annai Therasa Type : Power operated Model: Annai Therasa Machine dimension (LxWxH), mm: 1340x755x1410 Weight of the machine, kg: 375 Power Unit : Provision & Type : Electrically / Power / Motor operated & ‘v’ belt pulley Type of Prime mover : Electrically / operated 10 HP AC induction motor Motor Power, hp – 10 Motor Phase: Three phase Type of drive - V belt drive through shaft

S. No.	Category	Name of the Machinery	Model	Unit cost (₹)	Specifications
22	All types of Power driven Dehusker/ sheller/ threshers/ Harvesters/ De-spiking/ Deconing Machine/ Peeler/ Spliter/ Stripper// Shredder (for all types of Horticulture / Food grain/ Oilseed crops)	Groundnut Decorticator cum Grader- 3 HP	Avvaiyar	1,41,600	Name of Machine / Equipment : Groundnut Decorticator cum Grader- Avvaiyar Type : Power operated Model: Avvaiyar Machine dimension (LxWxH), mm: 1800x1100x1450 Decorticating Capacity, kg/h: 400 Weight of the machine, kg: 410 Power Unit : Provision & Type : Electrically /Power / Motor operated and Belt Pulley Type of Prime mover : Electrically operated 3 HP AC induction motor Motor Power, hp – 3 Motor Phase: Three phase Type of drive - V belt drive through shaft
23	Mini Oil Mill without filter Press (for all types of Horticulture / Food grain/ Oilseed crops)	Oil Extraction Machine	Rotary Oil Extraction Machine (7.5 HP) SS	2,09,922	Name of Machine: Rotary Oil Extraction Machine (7.5hp) Type : Power operated Model No :Stainless steel (SS) Expelling capacity kg/ batch :12 – 25 Weight of the Machine, kg – 670 Power Unit : Provision &Type : Electrically /Power / Motor operated and Belt pulley Type of Prime mover : Electrically operated 7.5 HP AC induction motor Motor Power, hp – 7.5 Motor phase- Three phase Type of drive - V belt and pulley drive through shaft

4. PLANTATION & HORTICULTURE

S. No.	Activity	Spacing	Unit Cost (₹/Ha) *(₹/Acre)	Remarks
1	Arecanut	2.75m x 2.75m	2,93,100	Repayment Period-11 years inclusive of 6 years grace period
2	Aonla	5m x 5m	1,34,500	Repayment Period- 08 years inclusive of 05 years grace period
3	Cashewnut	7m x 7m	1,55,000	Repayment Period- 10 years inclusive of 06 years grace period
4	Coffee	2.1m x 2.1m	2,47,300	Repayment Period- 10 years including 05 years grace period
5	Coconut	7.5m x 7.5m	2,33,900	Repayment period- 12 years inclusive of 07 years grace period
6	Coconut Cultivation- T & D variety	7.5m x 7.5m	2,09,000	Repayment Period- 10 years inclusive of 05 years grace period
7	Curry Leaf*	1.8m x 1.8m	1,00,600/ac	Repayment Period- 5 years inclusive of 2 years grace period
8	Jasmine	1.5m x 1.5m	2,64,300	Repayment Period - 5 years inclusive of 02 years grace period
9	Rose	2m x 2m	2,05,800	Repayment Period - 6 years inclusive of 01 year grace period
10	Guava	6m x 6m	1,20,600	Repayment Period - 06 years inclusive of 02 years grace period
11	Lime	5m x 5m	1,97,700	Repayment Period - 8 years inclusive of 04 years grace period
12	Guava*	5m x 2.5m	1,53,800/ac	Repayment period- 8 years with 3 years grace period
13	Sapota	8m x 8m	2,07,300	Repayment Period - 10 years inclusive of 05 years grace period
14	Mango	7m x 7m	2,23,900	Repayment Period - 10 years inclusive of 06 years grace period
15	Mango*	3m x 2m	2,35,600/ac	Repayment period- 7 years with 3 years grace period
16	Mango*	5m x 5m	1,67,600/ac	Repayment period- 9 years with 5 years grace period
17	Plum	6m x 6m	2,56,200	Repayment period - 10 years inclusive of 05 years grace period
18	Pomegranate*	3m x 3m	2,22,200/ac	Repayment period - 6 years inclusive of 02 years grace period
19	Oil Palm – Tenera*	9m x 9m - Triangular	1,68,600/ac	Repayment period- 9 years with 4 years grace period
20	Palmarosa*	60 cm x 30 cm	1,13,800/ac	Repayment period - 4 years inclusive of 01 year grace period
21	Cardamom	3m x 3m	2,85,400	Repayment period - 6 years inclusive of 02 years grace period
22	Rubber	(4.5m x 4.5m)	3,14,400	Repayment period - 10 years inclusive of 05 years grace period
23	Dragon Fruit	2.5m x 2.5m	6,61,500	Repayment period - 6 years inclusive of 03 years grace period
24	Seedless Grape*	4m x 3m	5,36,100/ac	Repayment Period- 10 years inclusive of 02 years grace period
25	Tissue Culture Banana	1.65m x 1.65m	1,25,400	Repayment period - 3years with 0 years grace period
26	Mushroom	Capacity- 300 kg/cycle	64,400	Repayment period- 6 years
27	Jack Fruit	8m x 8m	2,08,150	

4.27 Bee Keeping

Indicative Unit Cost for Bee Keeping
Size : 25 Bee Colonies

Sl No	Particulars	(Amount in ₹)
1	Bee Box @ ₹650/- per Box)	16,250
2	Bee Colony @ ₹800/- per Box	20,000
3	Smoker	300
4	Extractor Machine	1,000
5	Other Equipment like Swarm Net, Hive Tool, Feeder, Queen Gate, Bee Viel, Hand Gloves, etc.	2,450
	Sub Total	**40,000**
6	Sugar feeding during dearth period 10 Kgs for 25 colonies for 3 months	1,200
7	C F Sheet	300
	Sub Total	**1,500**
	Total Cost	**41,500**
	Indicative Unit Cost	**41,500**

Photos are illustrative in nature

4.28. SERICULTURE

Item	Unit Cost (₹)
Mulberry Cultivation /Per ha	66,500
Rearing Shed 1000 sq.ft	5,50,000
Rearing Appliances	82, 500
Rearing cost of first crop	24,000
Total	**7,23,000**

250 DFLs per crop × 2 crops during first year and 5 crops from second year onwards

Economics per Acre/Annum

Particulars	Unit/amount
Silk worm Rearing 250 DFLs/5 crops/year	1250 DFLs
Cocoon yield 80 Kgs/100 DFLs for 1250 DFLs	1000 Kgs
Average Cocoon Rate ₹ 616 / Kg for 1000 Kgs	₹6,16,000
Annual Gross Income	₹6,16,000
Less : 1/3rd Expenditure	₹2,05,300
Net Income	₹4,10,700

Rearing Equipment

Item	Quantity per Farmer	Unit Cost (₹)	
		Rate(₹)	Value(₹)
Power Weeder 5.2 kW	1	23,850	23,850
Electrical Compressor Power Sprayer	1	7,209	7,209
Shoot Harvest Pruner	1	4,967	4,967
Power Operated Secature	1	3,929	3,929
Back Pack Sprayer	1	1,540	1,540
Disinfestant Mask	1	748	748
Polymer Mountage	80	63.40	9,510
Exhaust Fan	1	1,810	1,810
Installation of Shoot Rearing Rack	-	-	28,900
Total (rounded off)			**82,500**

4.30. Pandal based vegetable cultivation

SL No	Item of the Investment	Amount (₹)	Remarks
1	Cost of construction of Pandal		
a	Poles (200/acre) @	70,000	₹ 200 per acre -350 poles stone pillars
b	Cost of GI wire	1,12,500	15 q per acre @₹ 7500/q
	Total material cost	**1,82,500**	
c	Labour cost	36,500	20 % of material cost
	Total cost	**2,20,000**	**Rounded off**
d	Capitalized cost of cultivation	30,000	Per acre
	Total Unit cost	**2,50,000**	

PLANTATION / HORTICULTURE: TERMS AND CONDITIONS

1. While selecting villages/areas for financing, the bank shall ensure compactness of areas to facilitate supervision. The bank may identify suitable areas in consultation with the concerned department of the State Government or commodity boards etc., as the case may be.
2. Loans may be given to those beneficiaries who have assured water supply facilities to irrigate plants in areas where rainfed cultivation is not possible.
3. Loans shall ensure that adequate loan is given for the activities that the farmer intends to undertake.
4. The bank shall satisfy itself that the planting materials of the required quantity and quality are procured by beneficiary from reliable sources such as nurseries of Universities of State Government or any other nurseries approved by the concerned department of the State Government etc.
5. The bank shall ensure that the beneficiary observes the following technical norms:
   a) The pit dug will be of standard size and with recommended spacing and number of plants.
   b) The pits will be filled with top soil, farm yard manure and before planting is done.
   c) The bank to ensure that vegetative propagated planting materials used for raising orchard crops.
   d) The young saplings will be staked immediately after planting and shade cover provided wherever necessary and irrigated.
   e) Adequate fencing arrangements have to be provided as per local practices with a view to protecting the garden from cattle and trespassers.
   f) Watering of plants shall be done during dry months of first 2 to 3 seasons for rainfed conditions.
   g) The recommended fertilization and plant protection schedules shall be followed.
   h) Mixed cropping will be done wherever possible as in the case of coffee, arecanut and coconut. The beneficiaries under the scheme will raise intercrops preferably leguminous crops during the first 4 to 5 years to improve returns from main investments.
   i) Adequate shade may be developed for protection of crops like coffee, coconut, cardamom and a minimum number of shade trees will have to be retained per acre. Quick growing trees like dadops (Eruthrina sp) and subabul etc may also be planted wherever necessary. Proper and adequate soil conservation and drainage arrangements shall be ensured.
   j) Installation of processing equipment, civil engineering works shall be carried out according to approved plants and designs.
6. The Bank's staff may provide all necessary technical guidance and supervision or otherwise shall satisfy itself that the required technical guidance and supervision is made available by the concerned department of the State Government or Commodity Board etc.,
7. The suggested soil conservation measures such as contour bunding etc. should be completed before the layout and digging for planting are taken up.
8. Necessary arrangements should be made for marketing so that the beneficiaries get fair prices.
9. Bank shall explore possibilities of necessary tie up arrangements with the concerned marketing agencies for recovering the loan instalments through sale proceeds payable by beneficiaries and for this purpose bank shall enter into necessary agreements with beneficiaries also wherever possible.
10. The bank shall grant loans to individual beneficiaries based on a case appraisal and assessment of the repayment capacity of the borrowers.

SERICULTURE: TERMS AND CONDITIONS – SPECIAL

1. While selection of village/areas for financing sericulture, the bank shall ensure compactness of areas to facilitate supervision. The bank may identify suitable areas in consultation with the concerned department of the State Government or Commodity Boards etc. as the case may be.
2. Loans under the scheme shall be given to those farmers who have assured water supply facilities to irrigate plants in areas where rainfed cultivation is not possible.
3. Loans shall be issued in respect of investment for raising plants in first and maintenance in subsequent years till the plant comes to bearing stage. However, where loans are proposed to be availed of, only in the first year of planting and not for its maintenance during the subsequent years, the bank shall satisfy itself that the beneficiaries have their own resources to meet expenditure for maintenance of garden in the subsequent years.

4. The bank shall satisfy itself that the planting materials of the required quantity and quality are procured by beneficiary from reliable sources such as nurseries of Universities of State Government or any other nurseries approved by the concerned department of the State Government etc.,
5. The bank shall ensure that the beneficiary observes the following technical norms.
   a) The pits dug will be of standard size and with recommended spacing and number of plants as per the recommendations of Central Sericulture Research Institute.
   b) The pits will be filled with top soil, farm yard manure and fertilizer before planting is done.
   c) Only high yielding recommended varieties shall be planted in place of traditional varieties.
   d) The young saplings will be staked immediately after planting and shade cover provided wherever necessary and irrigated.
   e) Adequate fencing arrangements will have to be provided as per local practices with a view to protecting the garden from cattle and trespassers.
   f) Watering of plants shall be done during dry months of first 2 to 3 seasons in respect of plants to be raised under rain fed conditions.
   g) The recommended fertilization and plant protection schedules of Commodity Board / TNAU / Department of Horticulture shall be followed.
   h) Proper and adequate soil conservation and drainage arrangements shall be ensured.
6. The Bank staff may provide necessary technical guidance and supervision. If this is not possible the bank shall satisfy itself that the required technical guidance and supervision is made available by the concerned department of the State Government or Commodity Board etc.
7. The suggested soil conservation measures such as contour bunding etc, should be completed before layout and digging for planting are taken up.
8. Necessary arrangements should be in place for marketing of the produce so that the beneficiaries get fair prices. Bank shall make necessary tie up arrangements with the concerned marketing agencies for recovering the loan through sale proceeds payable by farmers and for this purpose bank shall enter arrangements with the beneficiaries also wherever possible.
9. The bank shall grant loans to individual beneficiaries based on a case appraisal and assessment of the repayment capacity of the borrowers.

5. ANIMAL HUSBANDRY

A. Dairy

Investment	Unit Size	Unit Cost (₹)
Crossbred cows	1+1	2,07,000
Crossbred cows	3+2	5,98,000
Crossbred cows	5+5	12,26,000
Graded Murrah Buffaloes	1+1	2,20,000
Graded Murrah Buffaloes	3+2	6,38,000
Graded Murrah Buffaloes	5+5	13,07,000
Calf rearing (Buffalo male calves)	5	2,81,000
Calf rearing (Buffalo male calves)	10	6,41,000
Calf rearing (Buffalo male calves)	50	31,61,000
Calf rearing (heifer calves)	5	5,78,000
Calf rearing (heifer calves)	10	12,55,000
Calf rearing (heifer calves)	20	25,19,000
Bulk milk cooling unit	5000 litres	22,00,000
Dairy processing equipment (Indigenous milk Products)		14,52,000
Dairy product transportation & Cold chain		29,15,000
Cold storage facilities for milk and milk products		36,30,000
Dairy marketing outlet / parlour		3,30,000
Private Veterinary Clinic - Stationary		2,20,000
Private Veterinary Clinic - Mobile Clinic + two wheeler		2,86,000





Photos are illustrative in nature

Unit cost: Cross Bred cow (Jersey)

Particulars	2 cows (1+1 unit)	5 cows (3+2 unit)	10 cows (5+5 unit)
Fixed Capital			
Cost of animal/s ₹65000 per animal	1,30,000	3,25,000	6,50,000
Transportation cost	2,000	4,000	7,000
Cost of shed 65 sq ft/animal (including calf), ₹350-550/sq ft.	45,500	1,78,750	3,57,500
Equipment (Vessels, Milk cans, ropes, milking machine, chaff cutter, etc.)	2,000	25,000	80,000
Insurance (@ 5.0 %)	6,500	16,250	32,500
Dung pit	4,000	10,000	18,000
Sub Total	**1,86,000**	**5,49,000**	**11,27,000**
Working Capital (1 month)			
Feed Cost			
Cost of Concentrate Feed (@ ₹27 per kg)	10,530	26,325	52,650
Cost of Green Fodder - cultivated	2,500	6,250	12,500
Cost of Dry Fodder (@₹6 per kg)	2,160	5,400	10,800
Electricity & water (₹50/month/animal)	100	250	500
Health/ veterinary care @₹250 per animal	500	1,250	2,500
Labour charges	3,750	7,500	15,000
Miscellaneous Charges	1,000	2,500	5,000
Sub Total	**20,540**	**49,475**	**98,950**
Total (rounded off)	**2,07,000**	**5,98,000**	**12,26,000**
Unit cost (excluding shed cost)	**1,62,000**	**4,19,000**	**8,69,000**
Unit cost (including shed cost)	**2,07,000**	**5,98,000**	**12,26,000**

Considerations:

- Cost of animal considered is for cows in peri-parturient period.
- Cows in peri-parturient period, with milk yielding capacity of 12 litres/day.
- For 2 animal unit, kaccha/ renovation of existing shed at ₹350/sq. ft is considered while for 5 & 10 animal unit, pucca shed with concrete flooring at ₹550/sq. ft is considered.
- Cost of chaff cutter considered for both 5 and 10 animal unit while cost of milking machine is considered for only 10 animal unit.
- Cost of chaff cutter considered is ₹20000 for 5 animal unit and ₹30000 for 10 animal unit, and it varies depending on the capacity, quality, and brand.
- Cost of milking machine considered is ₹40000 for 10 animal unit, which varies depending on the capacity, quality, and brand.
- Cost towards bush/fodder cutter and pressure washer, if required may be considered additionally for 10 animal unit.
- Working capital cost is given for 1 month. Green fodder cultivation - carrying capacity of 4 animals/acre is considered. 2nd batch of animal/s is/are purchased after 6 months.
- Labour cost at ₹15000 per month is considered for 10 animal unit while it is proportionately taken for other units though family labour may be involved.
- Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- For capital intensive 10 animal unit, with 90% financing, loan tenor of 5 years and moratorium of 9 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

Graded Murrah Buffalo

	Particulars	2 Buffaloes (1+1 unit)	5 Buffaloes (3+2 unit)	10 Buffaloes (5+5 unit)
	Fixed Capital			
1	Cost of animal/s ₹70000 per animal	1,40,000	3,50,000	7,00,000
2	Transportation cost	1,500	4,000	8,000
3	Cost of shed 70 sq ft/animal (including calf), ₹350-550/sq ft. Up to 2 animals kaccha/renovation of existing shed can be done	49,000	1,92,500	3,85,000
4	Equipment (Vessels, Milk cans, ropes, milking machine, chaff cutter etc.)	2,000	25,000	80,000
5	Insurance (@ 5.0 %)	7,000	17,500	35,000
6	Dung pit	4,000	10,000	18,000
	Sub Total	**1,99,500**	**5,89,000**	**12,08,000**
	Working Capital (1 month)			
7	Feed Cost			
	Cost of Concentrate Feed (@ ₹27 per kg)	10,530	26,325	52,650
	Cost of Green Fodder - cultivated	2,500	6,250	12,500
	Cost of Dry Fodder (@₹6 per kg)	2,160	5,400	10,800
8	Electricity & water (₹50/month)	100	250	500
9	Health/ veterinary care @₹250 per animal	500	1,250	2,500
10	Labour charges	3,750	7,500	15,000
11	Miscellaneous Charges	1,000	2,500	5,000
	Sub Total	**20,540**	**49,475**	**98,950**
	Total (rounded off)	**2,20,000**	**6,38,000**	**13,07,000**
	Unit cost (excluding shed cost)	**1,71,000**	**4,46,000**	**9,22,000**
	Unit cost (including shed cost)	**2,20,000**	**6,38,000**	**13,07,000**

Considerations:

- Cost of animal considered is for buffaloes in peri-parturient period.
- Buffaloes in peri-parturient period, with milk yielding capacity of 12 litres/day.
- For 2 animal unit, kaccha/ renovation of existing shed at ₹350/sq. ft is considered while for 5 & 10 animal unit, pucca shed with concrete flooring at ₹550/sq. ft is considered.
- Cost of chaff cutter considered for both 5 and 10 animal unit while cost of milking machine is considered for only 10 animal unit.
- Cost of chaff cutter considered is ₹20000 for 5 animal unit and ₹30000 for 10 animal unit, and it varies depending on the capacity, quality, and brand.
- Cost of milking machine considered is ₹40000 for 10 animal unit, which varies depending on the capacity, quality, and brand.
- Cost towards bush/fodder cutter and pressure washer, if required may be considered additionally for 5+5 unit.
- Working capital cost is given for 1 month. Green fodder cultivation - carrying capacity of 4 animals/acre is considered. 2nd batch of animal/s is/are purchased after 6 months.
- Labour cost at ₹15000 per month is considered for 10 animal unit while it is proportionately taken for other units though family labour may be involved.
- Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- For capital intensive 10 animal unit, with 90% financing, loan tenor of 6 years and moratorium of 9 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

Calf rearing (Buffalo male calves)

	Particulars	5 buffalo calves	10 buffalo calves	50 buffalo calves
	Fixed Capital			
1	Cost of animal (6-8 months old) ₹14000 per animal	70,000	1,40,000	7,00,000
2	Transportation cost	1,500	3,000	12,000
3	Shed 40 sqft/animal, ₹350-550/sqft, up to 4 animals kaccha/ renovation of existing shed can be done	70,000	2,20,000	11,00,000
4	Equipment (Ropes, rings etc.)	1,500	3,000	15,000
5	Insurance (@ 5.0 %)	3,500	7,000	35,000
6	Dung pit	7,000	12,000	35,000
	Sub Total	**1,53,500**	**3,85,000**	**18,97,000**
	Working Capital (8 months)			
7	Feed Cost			
	Cost of Concentrate Feed (@ ₹24 per kg)	46,800	93,600	4,68,000
	Cost of Green Fodder - cultivated	33,333	66,667	3,33,333
	Cost of Dry Fodder (@₹6 per kg)	13,050	26,100	1,30,500
8	Health/ veterinary care @₹250 per animal	1,250	2,500	12,500
9	Electricity & water	1,000	2,000	10,000
10	Labour charges	30,000	60,000	3,00,000
11	Miscellaneous charges	2,500	5,000	10,000
	Sub Total	**1,27,933**	**2,55,867**	**12,64,333**
	Total (rounded off)	**2,81,000**	**6,41,000**	**31,61,000**
	Unit cost (excluding shed cost)	**2,11,000**	**4,21,000**	**20,61,000**
	Unit cost (including shed cost)	**2,81,000**	**6,41,000**	**31,61,000**

Considerations:

- Up to 4 animals, kaccha/ renovation of existing shed at ₹350/sq. ft is considered while for animal unit of above 5, pucca shed with concrete flooring at ₹550/sq. ft is considered.
- Based on the requirement of project, cost of chaff cutter may be considered for animal unit above 10.
- Considering male calves purchased at 6-8 months of age and slaughter age of 12-14 months, working capital cost is given for 8 months.
- Green fodder cultivation - carrying capacity of 6 animals/acre. Labour at ₹15000 per month is considered for 20 animals and is given proportionately for the specified units though family labour may be involved.
- Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- With 90% financing, loan tenor of 4 years and moratorium of 12 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

Heifer rearing (Crossbred female calf)

	Particulars	5 calves	10 calves	20 calves
	Fixed Capital			
1	Cost of animal (6-8 months old) ₹12000 per animal	60,000	1,20,000	2,40,000
2	Transportation cost @₹ 750/- per animal	1,500	3,000	5,000
3	Shed 55 sqft/animal, ₹350-550/sqft, up to 4 animals kaccha/ renovation of existing shed can be done	96,250	3,02,500	6,05,000
4	Equipment (Ropes, rings, chaff cutter etc.)	1,500	3,000	26,000
5	Insurance (@ 5.0 %)	3,000	6,000	12,000
6	Dung pit	7,000	12,000	22,000
	Sub Total	**1,69,250**	**4,46,500**	**9,10,000**
	Working Capital (Up to terminal pregnancy – 27 Months)			
7	Feed Cost			
	Cost of Concentrate Feed (@ ₹27 per kg)	1,68,075	3,36,150	6,72,300
	Cost of Green Fodder - cultivated	1,00,000	2,00,000	4,00,000
	Cost of Dry Fodder (@₹6 per kg)	29,760	54,060	1,02,660
8	Health/ veterinary care @₹500 per animal	2,500	5,000	10,000
9	Electricity & water	5,400	8,100	13,500
10	Labour charges	1,01,250	2,02,500	4,05,000
11	Miscellaneous charges	2,000	3,000	6,000
	Total	**5,78,235**	**12,55,310**	**25,19,460**
	Total (rounded off)	**5,78,000**	**12,55,000**	**25,19,000**
	Unit cost (excluding shed cost)	**4,82,000**	**9,53,000**	**19,14,000**
	Unit cost (including shed cost)	**5,78,000**	**12,55,000**	**25,19,000**

Considerations:

- Up to 4 animals, kaccha/ renovation of existing shed at ₹350/sq. ft is considered while for animal unit of above 5, pucca shed with concrete flooring at ₹550/sq. ft is considered.
- Based on the requirement of project, cost of chaff cutter may be considered for animal unit above 10.
- Considering female calves purchased at 6-8 months of age and maintained till calving or income generation, working capital cost is given for 27 months.
- Owing to long gestation period of the activity, banks may consider financing for existing dairy unit with adequate cash flows.
- Green fodder cultivation - carrying capacity of 6 animals/acre. Labour at ₹15000 per month is considered for 20 animals and is given proportionately for the specified units though family labour may be involved.
- Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

B. Sheep/Goat rearing

Investment	Unit Size	Unit cost (₹)
Rearing unit (conventional)	5	1,59,000
Rearing unit (Hi-tech slatted floor)		1,98,000
Rearing unit (conventional)	10+1	3,50,000
Rearing unit (Hi-tech slatted floor)		4,39,000
Rearing unit (conventional)	20+1	6,72,000
Rearing unit (Hi-tech slatted floor)		8,32,000
Rearing /Breeding unit (conventional)	100+5	31,80,000
Rearing / Breeding unit (Hi-tech slatted floor)		40,22,000
Lamb fattening unit(Conventional shed)	40 per batch	17,69,000
Lamb fattening unit (Slotted floor)		19,80,000

Unit cost: Sheep/Goat rearing

	Sheep/Goat rearing	5 does	10 +1 Unit	20+1 Unit	100+5 Unit
I	**Particulars**	**(₹)**	**(₹)**	**(₹)**	**(₹)**
A	**Fixed cost**				
	Cost of Ewes/does (15-18 months of age)	65,000	1,30,000	2,60,000	13,00,000
	Cost of Ram/Buck (1-1 1/2 years of age)	0	15,000	15,000	75,000
	Transportation cost	1,000	2,000	4,000	10,000
	Cost of shed including feeder & waterer - Conventional shed - mud floor with pen and run area - Adult	18,830	50,470	81,835	3,77,700
	Cost of shed including feeder & waterer - Conventional shed - mud floor with pen and run area - young ones	27,090	54,180	1,00,620	4,64,400
	Equipment (ropes, rings, etc)	1,000	2,000	3,500	10,000
	Chaff cutter	0	0	20,000	42,000
	Insurance @ 4% per year	2,600	5,200	10,400	52,000
	Dung pit	2,000	3,800	7,500	25,000
		1,17,520	**2,62,650**	**5,02,855**	**23,56,100**
	Cost of shed including feeder & waterer - Hi tech - slatted floor - Adult	34,970	93,730	1,57,375	7,55,400
	Cost of shed including feeder & waterer - Hi tech - slatted floor - young ones	50,310	1,00,620	1,85,760	9,28,800
	Sub Total	**1,56,880**	**3,52,350**	**6,63,535**	**31,98,200**
B	**Working capital (9 months)**				
	Feed cost				
	Cost of Concentrate Feed (@ ₹22 per kg)				
	For Ram/Buck	0	1,485	1,485	7,425
	For Ewe/Doe	5,775	11,550	23,100	1,15,500
	For Lamb/Kid	6,237	12,474	24,948	1,24,740

Photos are illustrative in nature

	Cost of green fodder - cultivated	11,250	24,750	47,250	2,36,250
	Cost of dry fodder - cultivated	1,823	4,010	7,655	38,273
	Veterinary did (@₹75/adult, ₹25/kid)	600	1,275	2,475	12,375
	Electricity Charges	900	1,800	3,600	9,000
	Labour	13,500	27,000	54,000	2,70,000
	Miscellaneous Charges	1,250	2,750	4,200	10,500
	Sub Total	41,335	87,094	1,68,713	8,24,063
	Total (rounded off) - Conventional	**1,59,000**	**3,50,000**	**6,72,000**	**31,80,000**
	Total (rounded off) - Slatted floor	**1,98,000**	**4,39,000**	**8,32,000**	**40,22,000**
	Unit Cost (Excluding shed cost)	**1,40,000**	**3,00,000**	**5,90,000**	**28,02,000**

Considerations:

- Cost of animal considered is for does at last month of pregnancy and bucks in service.
- Cost of shed is given separately for conventional shed with mud floor and hi-tech slatted floor using plastic crates. Cost of shed for conventional mud floor @₹300-350/sq. ft and hi-tech slatted floor using plastic crates @₹600-650/ sq. ft. In case of wooden slatter floor, 70-80% of given cost may be considered.
- Cost of chaff cutter at ₹20000 is considered for 20+1 unit and at ₹42000 (higher capacity) for 100+5 unit which varies depending on the capacity, quality, and brand.
- With stall fed system of rearing, working capital for 9 months is given. In case of semi-intensive system of rearing, feed being the major cost, 50-80% of working capital cost can be considered.
- Daily concentrate considered for adults - 150-250 g/animal/day according to physiological stage of the animal.
- Daily concentrate considered for kids - 50-200 g/animal/day according to the stage of growth.
- Green fodder cultivation - carrying capacity of 20 animals incl. kids/acre is considered. Cultivated or locally available dry fodder at 450 g per day per animal including kids is considered.
- A labour at ₹15000 per month for 50 adult goats is considered and is proportionately taken for the given units, though family labour may be involved.
- Up to 5 animal unit, service can be done with any male animal available in the village or by Artificial insemination.
- Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- For capital intensive 100+5 animal unit, with 90% financing, loan tenor of 4 years and moratorium of 18 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

Lamb fattening unit

	Project cost	Conventional shed (Gable roof with side walls and mud flooring) incl. run area	Slotted floor (plastic crate flooring)
I	**Particulars**	**(₹)**	**(₹)**
	Fixed cost		
1	Cost of shed	6,88,640	9,64,096
2	Store room (120 sq. ft.)	72,000	72,000
3	Cost of equipment (feeder & waterer)	40,000	40,000
4	Chaff cutter	30,000	30,000
5	Dung pit	25,000	0
	Sub Total	8,55,640	11,06,096
	Working capital (4 months/3 batches)		
6	Cost of lambs	6,60,000	6,60,000
7	Cost of feed (roughages & concentrate)	88,533	88,533
8	Medicine	3,000	3,000
9	Electricity charges	800	800
10	Labour cost	1,60,000	1,20,000
11	Misc.	1,200	1,200
	Sub Total	**9,13,533**	**8,73,533**
	Total (rounded off)	**17,69,000**	**19,80,000**

Considerations:

- Conventional shed of 4 compartments with pen and run area for intensive system of rearing is considered. Slotted plastic crate floor of 4 compartments for intensive system of rearing is considered.
- 4 batch of 40 lamps each introduced at 1 month interval. With down time of 2 weeks between batches, 14-15 batches are introduced per year.
- Lambs are fed at roughage concentrate in the ratio of 50:50 for better weight gain.
- Labour at ₹15000/ person for 60 (conventional shed) or 80 (slotted floor) lambs is considered.
- Working capital is given for 4 months (3 batches). Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- With 90% financing, loan tenor of 4 years and moratorium of 9 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

C. Pig farming

Investment	Unit Size	Unit cost (₹)
Pig fattening unit	10	2,50,000
Pig fattening unit	20	4,98,000
Pig fattening unit	50	12,34,000
Pig rearing & fattening unit	3+1	6,08,000
Pig rearing & fattening unit	10+1	17,65,000
Pig rearing & fattening unit	20+2	35,32,000
Pig Breeding unit	10+1	7,27,000
Pig Breeding unit	20+2	14,53,000

Photos are illustrative in nature

Unit cost: Pig fattener unit

	Pig fattener unit (3 way cross)	10 piglets	20 piglets	50 piglets
I	**Fixed cost**			
	Cost of animals @ 2 months old	45,000	90,000	2,25,000
	Transportation cost	1,500	2,500	5,000
	Cost of shed @₹700/ Sq ft	1,12,000	2,24,000	5,60,000
	Equipment (cans for swill feed, ropes etc.)	1,500	3,000	6,000
	Insurance	0	0	0
	Waste pit	4,000	7,000	14,000
	Sub Total	1,64,000	3,26,500	8,10,000
II	**Working capital (6 months)**			
	Feed cost			
	Cost of concentrate @₹30/Kg, 70% of requirement	31,050	62,100	1,55,250
	Cost of swill feed @₹3 per Kg, 30% of requirement	32,610	65,220	1,63,050
	Veterinary aid (vaccination, deworming, castration etc.) @₹150 per animal	1,500	3,000	7,500
	Electricity Charges	900	1,800	3,000
	Labour	18,000	36,000	90,000
	Miscellaneous Charges	1,500	3,000	5,000
	Sub Total	**85,560**	**1,71,120**	**4,23,800**
	Total (rounded off)	**2,50,000**	**4,98,000**	**12,34,000**
	Unit cost (excluding shed cost)	**1,38,000**	**2,74,000**	**6,74,000**

Considerations:

- Cost of animal considered is weaners at 2 months of age.
- Animals generally are marketed at 8 months of age and working capital is given for 6 months.
- Feed - 30% of the requirement from concentrate and 70% of the requirement from swill feed.
- Additional or subsequent working capital requirements can be met through KCC.
- With 90% financing, loan tenor of 4 years and moratorium of 12 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

Unit cost: Pig breeding and fattening unit (3 way cross)

	Pig breeding and fattening unit (3 way cross)	3+1 unit	10+1 unit	20+2 unit
I	**Fixed cost**			
	Cost of sows	60,000	2,00,000	4,00,000
	Cost of boar	25,000	25,000	50,000
	Transportation	1,500	3,000	6,000
	Cost of farrowing shed @₹800/Sq ft	60,000	1,80,000	3,60,000
	Cost of boar shed @₹700/Sq ft	45,500	45,500	91,000
	Cost of shed for dry/ pregnant sows @₹700/Sq ft	39,900	1,33,000	2,66,000
	Cost of shed for weaned piglets @₹700/ Sq ft	1,47,000	4,90,000	9,80,000
	Equipment (ropes, teeth clipper, swill feed cans etc.)	1,000	2,000	5,000
	Insurance	0	0	0
	Waste pit	3,000	6,000	12,000
	Sub Total	**3,82,900**	**10,84,500**	**21,70,000**
II	**Working capital (7 months)**			
	Feed cost			
	Concentrate Feed @ ₹30 per Kg.			
	Boar	18,000	18,000	36,000
	Sows	37,800	1,26,000	2,52,000
	piglets	54,180	1,80,600	3,61,200
	Cost of swill feed @₹3 per Kg	63,864	2,12,880	4,25,760
	Green fodder	2,000	8,000	16,000
	Veterinary aid	3,450	11,325	22,575
	Electricity & water	800	1,600	3,200
	Labour	43,636	1,20,000	2,40,000
	Miscellaneous expenses	1,000	2,500	5,000
	Sub Total	**2,24,730**	**6,80,905**	**13,61,735**
	Total (rounded off)	**6,08,000**	**17,65,000**	**35,32,000**
	Unit cost (excluding shed cost)	**3,16,000**	**9,17,000**	**18,35,000**

Considerations:

- Cost of animal considered is sows at terminal stage of pregnancy and boars in service.
- Considering slaughtering age of 7-8 months, working capital is given for 8 months.
- Feed - 70% of the requirement from concentrate and 30% of the requirement from swill feed for sows while the reverse is considered for fatteners.
- Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- With 90% financing, loan tenor of 4 years and moratorium of 15 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

Unit cost: Pig breeding unit (3 way cross)

	Pig Breeder unit	10+1 unit	20+2 unit
I	**Fixed cost**		
	Cost of sows	2,00,000	4,00,000
	Cost of boar	25,000	50,000
	Transportation	3,000	6,000
	Cost of farrowing shed @₹800/Sq ft	1,80,000	3,60,000
	Cost of boar shed @₹700/Sq ft	45,500	91,000
	Cost of shed for dry/ pregnant sows @₹700/Sq ft	1,33,000	2,66,000
	Equipment (ropes, teeth clipper, swill feed cans etc.)	2,000	5,000
	Insurance	0	0
	Waste pit	6,000	12,000
	Sub Total	**5,94,500**	**11,90,000**
II	**Working capital (2 months)**		
	Feed cost		
	Concentrate Feed @ ₹30 per Kg		
	Boar	4,500	9,000
	Sows	45,000	90,000
	piglets	45,000	90,000
	Green fodder	1,000	2,000
	Veterinary aid	4,325	8,650
	Electricity & water	400	800
	Labour	30,000	60,000
	Miscellaneous expenses	2,500	2,500
	Sub Total	**1,32,725**	**2,62,950**
	Total (rounded off)	**7,27,000**	**14,53,000**
	Unit cost (excluding shed cost)	**3,69,000**	**7,36,000**

Considerations:

- Cost of animal considered is sows at terminal stage of pregnancy and boars in service.
- Considering marketing of weaned piglets, working capital is given for 2 months.
- To achieve higher breeding efficiency, swill feed is not considered in the breeding unit.
- Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- With 90% financing, loan tenor of 5 years and moratorium of 12 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

D. Poultry Development

Investment	Unit Size	Unit cost (₹)
Broiler farming	5,000	29,94,000
Broiler farming	10,000	59,89,000
Broiler farming	20,000	1,19,88,000
Commercial Layer production - Standalone Layer Unit - Slotted hi-tech cage system	10,000	1,12,70,000
Commercial Layer production - Standalone Layer Unit - Slotted hi-tech cage system	20,000	2,20,00,000
Commercial Layer production - Standalone Layer Unit - Slotted hi-tech cage system	30,000	3,25,83,000
Commercial Layer production - Standalone Layer Unit - Slotted hi-tech cage system	50,000	5,39,22,000
Commercial Layer production - Slotted hi-tech cage system (1+1+7)	30,000	2,22,50,000
Commercial Layer production - Slotted hi-tech cage system (1+1+7)	50,000	3,60,87,000
Commercial Layer production - Slotted hi-tech cage system (1+1+7)	80,000	5,67,15,000
Commercial Layer production - Slotted hi-tech cage system (1+1+7)	1,00,000	7,12,16,000
Breeding farms		30,00,000
Central Grower Units		40,00,000
Hybrid layer (chicken) units – 5000 birds		20,00,000
Hybrid broiler (chicken) units – 5000 birds		11,20,000
Rearing other species of poultry		20,00,000
Feed mixing units, Disease Investigation Lab		16,00,000
Transport vehicles		8,00,000
Refrigerated Transport vehicles		15,00,000
Retail outlets (Dressing Units)		10,00,000
Retail outlets (Marketing Units)		15,00,000
Mobile marketing units		10,00,000
Cold storage for poultry products		20,00,000

Unit cost: Broiler rearing - Deep litter - All in All out system

	Particulars	Amount (₹)		
		5000 birds	10000 birds	20000 birds
	Fixed cost			
1	Cost of shed	17,87,500	35,75,000	71,50,000
2	Feeder cost	44,167	88,333	1,76,667
3	Waterer cost	19,500	39,000	78,000
4	Gas brooder	15,000	30,000	60,000
5	Drinking system	1,25,000	2,50,000	5,00,000
6	Insurance	0	0	0
	Sub Total	**19,91,167**	**39,82,333**	**79,64,667**
	Working capital (40 days)			
4	Cost of DOC @₹26/chick	1,30,000	2,60,000	5,20,000
5	Cost of feed @₹42/kg	7,87,500	15,75,000	31,50,000
6	Cost of litter material	32,500	65,000	1,30,000
7	Medical expenses	12,500	25,000	50,000
8	Labour	5,827	11,654	33,307
9	Electricity & water	30,000	60,000	1,20,000
10	Miscellaneous expenses	5,000	10,000	20,000
	Sub Total	**10,03,327**	**20,06,654**	**40,23,307**
	Total (rounded off)	**29,94,000**	**59,89,000**	**1,19,88,000**
	Unit cost (Less shed cost)	**12,07,000**	**24,14,000**	**48,38,000**

Considerations:

- Rearing period of 40 days per batch and 6 batches per year with all in all out system of rearing is considered.
- Deep litter system of rearing with automatic drinking system and individual feeders are considered.
- Shed with thatched roof with steel cover and concrete flooring is considered.
- Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- With 90% financing, loan tenor of 4 years and moratorium of 9 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/quotes obtained, may arrive at the eligible project cost.

Commercial Layer production - Standalone Layer Unit - Slotted hi-tech cage system

	Particulars	Amount (₹)			
		10000 birds	20000 birds	30000 birds	50000 birds
	Fixed cost				
1	Cost of pre-layers	28,00,000	56,00,000	84,00,000	1,40,00,000
2	Cost of shed	23,65,200	47,01,600	69,80,400	1,17,10,800
3	Cost of cage including feeder & nipple system	13,00,000	26,00,000	39,00,000	65,00,000
4	Automatic feed trolly system	5,18,000	5,85,000	6,53,000	7,88,000
5	Silo & feeder system	2,68,800	4,77,600	5,96,400	8,34,000
6	Insurance Cost	0	0	0	0
	Sub Total	**72,52,000**	**1,39,64,200**	**205,29,800**	**3,38,32,800**
	Working capital (18 weeks)				
7	Cost of concentrate feed (layer phase, 18 to 35 weeks)	38,80,800	7761600	1,16,42,400	1,94,04,000
8	Medical expenses	69,231	1,38,462	2,07,692	3,46,154
9	Electricity Charges	2,919	5838	8,491	14,329
10	Labour	60,000	1,20,000	1,80,000	3,00,000
11	Miscellaneous	5,000	10,000	15,000	25,000
	Sub Total	**40,17,950**	**80,35,899**	**1,20,53,584**	**2,00,89,483**
	Total (rounded off)	**1,12,70,000**	**2,20,00,000**	**3,25,83,000**	**5,39,22,000**
	Unit cost (Less shed cost)	**89,05,000**	**1,72,98,000**	**2,56,03,000**	**4,22,11,000**

Considerations:

- Standalone layer unit where birds at pre-laying stage (18 weeks old) are reared during the production period.
- Slotted hi-tech cage system of 5 M cage unit of 2 tier is considered.
- Automatic battery-operated feeding system with attached silo unit for storing and dispensing of purchased feed is considered.
- With commencement of laying at 18 weeks of age and laying period of 82 weeks is considered.
- Working capital for 18 weeks, including 12 weeks of peak production from 24th week is considered. Subsequent working capital can be met from the income generated or through KCC/CC limit from banks.
- With 90% financing, loan tenor of 7 years and moratorium of 6 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

Commercial Layer production - Slotted hi-tech cage system (1+1+7)

	Particulars	Amount (₹)			
		30000 birds	50000 birds	80000 birds	100000 birds
	Fixed cost				
1	Cost of chicks	15,30,000	25,50,000	40,80,000	51,00,000
2	Civil cost of shed				
	Chick shed	6,21,782	7,88,288	12,03,345	14,83,268
	Grower shed	9,67,663	1245173	19,36,935	24,03,473
	Layer shed	76,78,440	12881,880	2,03,06,880	2,57,63,760
3	Cost of cage including feeder & nipple system				
	Chick shed	5,57,143	9,28,571	14,85,714	18,57,143
	Grower shed	5,57,143	9,28,571	14,85,714	18,57,143
	Layer shed	39,00,000	65,00,000	1,04,00,000	1,30,00,000
4	Automatic feed trolly system				
	Chick shed	3,32,455	3,38,057	3,52,022	3,61,439
	Grower shed	3,89,092	3,98,429	4,21,703	4,37,399
	Layer shed	6,52,969	12,38,281	18,91,250	24,76,563
5	Silo & feeder system				
	Chick shed	1,08,127	1,13,419	1,21,546	1,27,027
	Grower shed	1,17,415	1,28,755	1,46,170	1,57,915
	Layer shed	3,28,200	5,97,000	9,25,200	11,94,000
6	Insurance Cost	0	,,0	0	0
	Sub Total	**177,40,429**	**286,36,424**	**447,56,479**	**562,19,128**
	Working capital (36 weeks)				
7	Cost of concentrate feed				
	Chick phase (upto 8 weeks)	7,22,400	11,92,800	19,15,200	24,02,400
	Grower phase (9 to 18 weeks)	15,76,380	26,02,860	41,79,240	52,42,380
	Layer phase (19 to 35 weeks)	16,09,146	26,56,962	42,66,108	53,51,346
8	Medical expenses				
	Upto 18 weeks	2,29,333	3,78,667	6,08,000	7,62,667
	Layer phase (19 to 35 weeks)	19,780	32,660	52,440	65,780
9	Electricity Charges				
	Chick phase (upto 8 weeks)	885	1,179	1,769	2,359
	Grower phase (9 to 18 weeks)	1,474	1,769	,2,948	3,538
	Layer phase (19 to 35 weeks)	10,850	18,310	28,821	36,619
10	Labour	3,24,000	5,40,000	8,64,000	10,80,000
11	Miscellaneous	15,000	25,000	40,000	50,000
	Sub Total	**45,09,248**	**74,50,207**	**1,19,58,526**	**1,49,97,089**
	Total (rounded off)	**2,22,50,000**	**3,60,87,000**	**5,67,15,000**	**7,12,16,000**
	Unit cost (Less shed cost)	**1,29,82,000**	**2,11,72,000**	**3,32,68,000**	**4,15,66,000**

Photos are illustrative in nature

Considerations:

- Integrated layer unit of 1+1+7 continuous production system where birds are reared from day old to 100 weeks.
- Slotted hi-tech cage system of 4 M cage unit of 2 tier for chick & grower shed and 5 M cage unit of 2 tier for layer shed is considered.
- Day old chicks of 1/7th of layer capacity is reared for 8 weeks in chick shed, which are then reared in grower shed for 10 weeks and moved to layer shed during the production period of 82 weeks.
- With down time of 4 weeks for chick shed, 2 weeks for grower shed, and 2 weeks for layer shed, round the year production/ income flow is obtained.
- Automatic battery-operated feeding system with attached silo unit for storing and dispensing of feed is considered.
- With commencement of laying at 18 weeks of age, laying period of 82 weeks is considered.
- Working capital is given for 35 weeks, including 12 weeks of peak production. Subsequent working capital can be met from the income generated or through CC limit from banks.
- For 30k bird unit, with 90% financing, loan tenor of 8 years and moratorium of 12 months, the project is financially viable and bankable. For 50k & 80k bird units, loan tenor of 10 years with moratorium of 18 months may be considered while for 1 lakh bird unit and above, loan tenor of 10 years with moratorium of 24 months may be considered.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

E. Quail Farming

Investment	Unit Size	Unit cost (₹)
Layer rearing		
Cage system	250 birds	67,000
Deep litter system		73,100
Cage system	500 birds	1,34,100
Deep litter system		1,45,700
Meat Production		
Cage system	250 birds	37,700
Deep litter system		43,300
Cage system	500 birds	75,400
Deep litter system		86,000

Quail rearing - Layer

	Quail rearing - Layer	250 birds		500 birds	
I	**Fixed cost**	**Cage system**	**Deep litter**	**Cage system**	**Deep litter**
1	Cost of Chick	3,000	3,000	6,000	6,000
2	Cost of litter material	0	500	0	500
3	Cost of cages	9,000	0	18,000	0
4	Cost of shed @₹350-400/sq. ft.	16,450	30,262.5	32,900	60,525
5	Cost of equipment (Feeder, waterer, brooder) at approx. ₹10/bird	2,500	2500	5,000	5,000
	Sub Total	**30,950**	**36,262.5**	**61,900**	**72,025**
II	**Working capital**				
6	Insurance cost	-	-	-	-
7	Feed cost				
	Upto 8 weeks	7,770	7,770	15,540	15,540
	9-20 weeks	23,310	23,310	46,620	46,620
8	Cost of medicines	500	500	1,000	1,000
9	Electricity cost	500	500	1,000	1,000
10	Miscellaneous cost	3,000	3,750	6,000	7,500
	Sub Total	**36,080**	**36,830**	**72,160**	**73,660**
	Total (rounded off)	**67,000**	**73,100**	**1,34,100**	**1,45,700**

Considerations:

- Intensive system of rearing by cage or deep litter system is considered.
- Working capital is given only for 20 weeks (pre-laying - 8 weeks, laying 12 weeks).
- Additional or subsequent working capital requirements can be met through KCC
- In cage system, cages and equipment may be replaced after 3 years.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

Photos are illustrative in nature

Quail rearing - meat production

	Quail rearing	250 birds		500 birds	
		Cage system	Deep litter	Cage system	Deep litter
	Fixed cost				
1	Cost of litter material	0	500	0	500
2	Cost of cages	9,000	0	18,000	0
3	Cost of shed @₹350-400/sq. ft.	16,450	30,263	32,900	60,525
4	Cost of equipment	2,500	2,500	5,000	5,000
		27,950	33,263	55,900	66,025
	Working capital				
5	Cost of chick	2,500	2,500	5,000	5,000
6	Insurance cost	0	0	0	0
7	Feed cost	5,000	5,000	10,000	10,000
8	Cost of medicines	500	500	1,000	1,000
9	Electricity cost	100	100	200	200
10	Labour cost	1,125	1,406	2,250	2,813
11	Miscellaneous cost	500	500	1,000	1,000
	Sub Total	**9,725**	**10,006**	**19,450**	**20,013**
	Total (rounded off)	**37,700**	**43,300**	**75,400**	**86,000**

Considerations:

- Intensive system of rearing by cage or deep litter system is considered.
- Working capital is given for 4 weeks period
- Additional or subsequent working capital requirements can be met through KCC
- In cage system, cages and equipment may be replaced after 3 years.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

F. Rabbit Rearing

Investment	Unit Size	Unit cost (Rs.)
Rearing unit	10+2	3,56,000
Rearing unit	20+3	6,88,000
Rearing unit	50+7	16,91,000
Rearing unit	100+14	33,60,000

Rabbit Rearing (hi-tech cage)

	Particulars	Amount (₹)			
		10+2 unit	20+3 unit	50+7 unit	100+14 unit
	Fixed cost				
1	Cost of does (6 months old)	9,625	19,250	48,125	96,250
2	Cost of bucks (6-8 months old)	2,100	3,150	7,350	14,700
3	Cost of shed (cage rearing within the shed)	1,58,400	2,99,400	7,25,400	14,36,400
4	Cages for buck and does	24,000	46,000	1,14,000	2,28,000
5	Cages for growers	72,000	1,44,000	3,60,000	7,20,000
6	Equipment - feeder & drinking system buck and does	1,800	3,450	8,550	17,250
7	Equipment - feeder & drinking system - growers	18,000	36,000	90,000	1,80,000
8	Insurance	0	0	0	0
9	Dung pit	4,000	7,000	15,000	25,000
	Sub Total	**2,89,925**	**5,58,250**	**13,68,425**	**27,17,600**
	Working capital (5 months)				
10	Feed cost				
	Concentrate	12,600	24,150	59,850	1,19,700
	Roughages - adult	720	1,380	3,420	6,840
	Concentrate - young ones after weaning	31,500	63,000	1,57,500	3,15,000
	Roughages - young ones	1,200	2,400	6,000	12,000
11	Electricity & water	1,250	2,000	3,500	5,000
12	Medicines and other expenses	600	1,150	2,850	5,700
13	Medicines and other expenses	2,000	4,000	10,000	20,000
14	Labour	15,000	30,000	75,000	1,50,000
15	Misc.	1,000	2,000	4,000	8,000
	Sub Total	**65,870**	**1,30,080**	**3,22,120**	**6,42,240**
	Total (rounded off)	**3,56,000**	**6,88,000**	**16,91,000**	**33,60,000**
	Unit cost (Less shed cost)	**1,02,000**	**1,99,000**	**4,92,000**	**9,76,000**

Considerations:

- Cost of animal considered is of sexually mature and ready for service.
- Considering market age of 3-4 months, working capital is given for 5 months.
- Hi-tech cage with roofing system is considered and due to short breeding cycle, cost for grower cage of 12 (2 batch) per doe is taken.
- Concentrate supply of 200 g/adult/day and ~150g/grower/day is considered while roughage supply of 100 g/adult/day and 50 g/grower/day is considered.
- Additional or subsequent working capital requirements can be met through KCC or CC from banks.
- With 90% financing, loan tenor of 6 years and moratorium of 12 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

G. Silage production unit (Large scale)

	Particulars	Amount (₹)		Remarks
	Fixed capital	Own distribution	Rented distribution	
1	Shed for machineries	2,00,000	2,00,000	Covered area for harvester, baler, transporting vehicles, etc.
2	Labour & storage room	3,60,000	3,60,000	Storage of baling film & others. Re-siding place for labours.
3	Storage area	1,50,000	1,50,000	Open concrete floor
4	Harvester	14,50,000	14,50,000	Fimaks big drum or Santhosh maize harvester
5	Baler	17,00,000	17,00,000	Cornext ASB60
6	Transporting vehicle (2 Nos)	63,00,000	23,00,000	Bharat Benz 1217c for transporting harvested fodder Bharat Benz 2623R (Own distribution unit)
7	Office and accessories	2,50,000	2,50,000	
	Sub Total	**1,04,10,000**	**64,10,000**	
	Working capital (42 days)			
1	Maize fodder	36,96,000	36,96,000	On field procurement at Rs.4/kg
2	Baling film	11,55,000	11,55,000	Cornext baling film
3	Labour	3,34,600	2,67,400	Harvesting & transporting - 3; Baling - 3; Sourcing & marketing - 2; Office personal - 1 Distribution - 2 (Own distribution unit) Cost vary from Rs.600-1000/day
4	Fuel	5,04,000	2,94,000	Harvester and transporting Distribution (Own distribution unit)
5	Distribution charges		2,88,000	Rented distribution (3 times a week of around 200 km distance)
6	Electricity	3,500	3,500	Baler and office
7	Service & maintenance	-	-	
	Sub Total	**56,93,100**	**57,03,900**	
	Unit cost	**1,61,03,100**	**1,21,13,900**	

Considerations:

- Project will commence operations from 6 months of sanction.
- Period of operation is 4 months in the 1st year while it is 8 months (67%) in the subsequent years.
- Production capacity of the baling unit is 22 MT/day (8 hrs)
- On field procurement price of maize fodder at Rs.4/kg and sale price of silage at Rs.7.5/kg are considered.
- Working capital for operational cycle of 42 days is given. 35-42 days for silage production and 7 days for delivery on credit. Additional or subsequent working capital requirements can be met through CC limit.
- With 90% financing, loan tenor of 5 years and moratorium of 9 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.
- For rented distribution unit, logistic facility for distribution/ marketing of silage is outsourced on need basis.

Silage production unit (Medium scale)

	Fixed capital	Amount (₹)	Remarks
1	Shed for machineries	1,80,000	Covered area for tractor, trolley, baler, transporting truck
2	Labour & storage room	3,60,000	Storage of baling film & others. Residing place for labours.
3	Storage area	1,20,000	Open concrete floor
4	Tractor	10,00,000	45-50 HP tractor
5	Trolley	2,50,000	For transporting harvested fodder
6	PTO operated chaff cutter	1,50,000	Shivashakti Agritech, Viswakarma Engineering, Saral Agro Pvt. Ltd.
7	Baler	10,50,000	Cornext MSB500 (semi-automatic)
9	Office and accessories	1,50,000	Room, furniture, system etc.
	Sub Total	**32,60,000**	
	Working capital		
1	Maize fodder	31,92,000	On field procurement at Rs.4/kg
2	Baling film	9,97,500	Cornext baling film
3	Labour	5,12,400	Harvesting - 10; Loading & transporting - 3; Baling - 3; Office personnel & sourcing - 1; Distribution - 2 Cost vary from Rs.600-1000/day
4	Fuel	4,62,000	Chaffing, transporting, and distribution
5	Distribution charges	2,16,000	Rented distribution (3 times a week of around 150 km distance)
6	Electricity	2,800	Baler and office
7	Service & maintenance	-	
	Sub Total	**53,82,700**	
	Unit cost	**86,42,700**	

Considerations:

- Project will commence operations from 6 months of sanction.
- Period of operation is 4 months in the 1st year while it is 8 months (67%) in the subsequent years.
- Production capacity of the baling unit is 19 MT/day (8 hrs).
- On field procurement price of maize fodder at Rs.4/kg and sale price of silage at Rs.7.5/kg are considered.
- Working capital for operational cycle of 42 days is given. 35-42 days for silage production and 7 days for delivery on credit. Additional or subsequent working capital requirements can be met through CC limit.
- Logistic facility for distribution/ marketing of silage is outsourced on need basis.
- With 90% financing, loan tenor of 4 years and moratorium of 9 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

H. Vermicompost production unit (1 Ton/ day)

	Particulars	Amount (₹)
	Fixed cost	
1	Compost bed (15x3x2)	4,86,000
2	Sieving machine (semi-automatic-1.5 hp)	25,000
3	Double tyred steel trolleys	21,200
4	Tools (basins, hooks, etc)	4,200
5	Weighing machine (max 100 kg)	6,000
6	Worms	4,32,000
7	Miscellaneous	4,000
	Sub Total	**9,74,400**
	Working capital (45 days)	
1	Cow dung	1,35,000
2	Labour	28,800
3	Packaging bags	3,000
4	Miscellaneous	5,000
	Sub Total	1,66,800
	Total (rounded off)	**11,41,000**

Considerations:

- Compost beds (72 no) of concrete side walls at 4 beds of 15Lx3Wx2H per load of cow manure is considered.
- Sieving machine of max.1.5-ton throughput per day is considered, which varies depending on the capacity, quality, and brand.
- Worms for initial bedding of 72 beds during the initial 45 days period is considered. Worms multiplied from the initial quantity may be used subsequent compost production.
- Daily labour of 5 no. at Rs.400/day is considered. Working days considered at 80%
- Daily output of 1 ton and sale price of Rs.7/kg is considered.
- With 90% financing, loan tenor of 2 years, and moratorium of 6 months, the project is financially viable and bankable.
- Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/ quotes obtained, may arrive at the eligible project cost.

6. FORESTRY & WASTELAND DEVELOPMENT

A. CASUARINA (Casuarina spp.)

Sl. No.	Particulars	Casuarina clonal plantation (MTP - 2) for one rotation								
		Unit	Qty.	Unit Rate (₹)	Cost per Ha (₹)	Projection of Expenditure (₹)				
						0th Year	1st Year	2nd Year	3rd Year	Total
A.	**Cost of Planting**									
1	Cost of initial ploughing	H₹	4	800	3,200	3,200	0	0	0	3,200
2	Alignment, Digging of pits and Channel formation (1.5m x 1.5m)	Nos	4500	10	45,000	45,000	0	0	0	45,000
3	Cost of Casuarina clones	Nos	4500	5	22,500	22,500	0	0	0	22,500
4	Casualty replacement (seedlings)10 percent	Nos	5	450	2,250	2,250	0	0	0	2,250
5	Basal Application	₹	4500	5	22,500	22,500	0	0	0	22,500
6	Installation of drip irrigation system	₹	1	65000	65,000	65,000	0	0	0	65,000
	Sub Total					**1,60,450**	**0**	**0**	**0**	**1,60,450**
B.	**Cost of Maintenance**									
1	Irrigation and general maintenance	MD	50	450	-	22,500	22,500	22,500	22,500	90,000
2	Plant protection chemical and application	₹	-	1000	-	-	1,000	1,000	1,000	3,000
3	Manuring and fertilizer application	LS	5	1000	-	-	4,000	4,000	4,000	12,000
4	Harvesting Cost (₹ 1900 for pulpwood and ₹ 1500 for poles)								2,65,000	2,65,000
	Sub Total				**0**	**22,500**	**27,500**	**27,500**	**2,92,500**	**3,70,000**
	Total (A+B)					**1,82,950**	**27,500**	**27,500**	**2,92,500**	**5,30,450**

Yield and Income

Sl.No	Particular	Yield (in tonnes)	Price (₹)	Income (₹)
1.	Yield – pulp wood	100	5,575	5,57,500
2.	Yield - Poles	50	8,000	4,00,000
	Total			**9,57,500**

Photos are illustrative in nature

B. EUCALYPTUS (Eucalyptus spp)

Sl. No	Particulars	Cost of Cultivation of Eucalyptus - Pulp wood - 3 x 1.35 m (Irrigated condition) for one rotation										
		Unit	Qty.	Unit Rate (₹)	Cost per Ha	Projection of Expenditure (₹)						
						0th Year	1st Year	2nd Year	3rd Year	4th Year	5th Year	Total
A.	**Cost of Establishment**											
1	Cost of initial ploughing	H₹	4	800	3,200	3,200	0	0	0	0	0	3,200
2	Alignment and Digging of pits @₹ 10.00 per pit	₹	2200	10	22,000	22,000	0	0	0	0	0	22,000
3	Basal Application	₹	2200	10	22,000	22,000	0	0	0	0	0	22,000
4	Cost of Eucalyptus clones	Nos	2200	5	11,000	11,000	0	0	0	0	0	11,000
5	Refilling of pits, planting	MD	2200	10	22,000	22,000	0	0	0	0	0	22,000
6	Casualty replacement	Nos	125	5	625	625	0	0	0	0	0	625
7	Installation of drip irrigation system				65,000	65,000	0	0	0	0	0	65,000
	Sub Total				**1,45,825**	**1,45,825**	**0**	**0**	**0**	**0**	**0**	**1,45,825**
B.	**Cost of Maintenance**											
1	Ploughing and Soil working	H₹	3	800	800		2,400	2,400	2,400	2,400	2,400	12,000
2	Manuring and fertilizer application	LS		1000	1,000		4,000	4,500	5,000	5,500	5,500	24,500
3	Irrigation and maintenance	MD	50	450	450	22,500	22,500	22,500	22,500	22,500	22,500	1,35,000
4	Harvesting cost	₹		1800	1,800					3,60,000		3,60,000
	Sub Total				**4,050**	**22,500**	**28,900**	**29,400**	**29,900**	**3,90,400**	**30,400**	**5,31,500**
	Total Cost (A+B)				**1,49,875**	**1,68,325**	**28,900**	**29,400**	**29,900**	**3,90,400**	**30,400**	**6,77,325**

- Tree crop duration: 10 years
- Average maintenance cost per year from the period 6th year to 10th year: ₹33,440
- Harvesting cost at 7th year: 4,50,000
- Harvesting cost at 10th year: 5,40,000

Yield and Income

Sl.No	Particulars	Yield (tonnes)	Price	Value
1.	At 4th Year	200	5,000	10,00,000
2.	1st coppice @ 7th Year	250	5,000	12,50,000
3.	2nd coppice @ 10th Year	300	5,000	15,00,000

Photos are illustrative in nature

7. FISHERIES

Fisheries: Inland

Activities	Unit Size	Cost (₹)	Repayment period
Composite fish culture (Catla, Rohu, Mrigal)	1 Ha	11,00,000	7 years Gestation period: 10 months. Repayment: Annually
FW Prawn Culture (M rosenbergii)	1 Ha	11,00,000	7 years Gestation period: 10 months. Repayment: Annually
Fish seed rearing unit	1 Ha	7,00,000	6 years Gestation period: 5 months. Repayment: Monthly or Quarterly

Coastal Aquaculture and Mariculture

Activities	Unit Size	Cost (₹)	Repayment period
GIF Tilapia culture	1 Ha	11,00,000	7 years Gestation period: 6 months. Repayment : Half yearly

Coastal Aquaculture and Mariculture

Shrimp farming per ha (SPF L. vannamei)
(Assumptions: 120 days crop; 60 /sq.m stocking, 70 % survival and 1.5 FCR)

S.No	Item of expense		Unit Cost
A	**Investment**		
1	Pond Construction	LS	7,00,000
2	Water Pumps 7.5 HP	1 No	40,000
3	Diesel pump/Generator	1 No	40,000
4	Aerators 2Hp	5 Nos	2,00,000
5	Pump house/ Farm shed	1 No	1,00,000
6	Civil work-In let/ Out let Sluices	LS	80,000
7	Pipes, wiring etc	LS	50,000
8	Interest payments and Misc	LS	50,000
	Total Fixed Cost		**12,60,000**
B	**Operational expenses**		
1	Pond preparation including liming		40,000
2	Repairing and renovation of electrical and water supply		20,000
3	Land lease value for 4 months		50,000
4	Seed (6,00,000 no stocking per ha @ Rs. 0.30 per seed)		1,80,000
5	Feed (1.5 FCR and Rs.95/kg)		1,0,00,000
6	Other inputs(Chemicals and fertilizers. Disease control)		2,10,000
7	Electricity (Rs 8 per unit for 12000+ units)		1,00,000
8	Labour		80,000
9	Minor items Nets		15,000
10	Lab/Technician charges		1,00,000
11	Harvest charges		30,000
12	Diesel/fuel		30,000
13	Interest payments and Misc		50,000
	Total variable cost		**19,05,000**
	Total Cost		**31,65,000**

Repayment period: 7 years, Gestation period: 6 months, Repayment: Half yearly

Ornamental Fisheries

Activity	Unit Size/ Specifications	Unit Cost (₹)
Ornamental fish-medium scale unit	150 sq mts Area (4-9 cycles/year)	8,00,000

Freshwater Backyard Ornamental Fish rearing unit (4-9 cycles /year)

Sl. No.	Item	Description (Backyard Unit - 30 m2)	Unit Cost (₹)
1	Cement Tanks	Cement tanks including storage tanks (Backyard-Minimum 6 Nos – each 3000 l) (Medium-Minimum 20 Nos – each 2400 l) (Integrated-Minimum 36 Nos – each 4600 l)	1,10,000
2	Glass tanks	Aquarium tanks including stand (Backyard-Minimum 6 Nos – each 150 l) (Medium-Minimum 20 Nos – each 150 l) (Integrated-Minimum 36 Nos – each 150 l)	40,000
3	Water supply items	Water line pipes, motor and pumps, hose and its fitting	25,000
4	Electrical items	Wiring material, lightening and its fixtures, submersible heaters, etc.	35,000
5	Water treatment equipment	Biological filters, carbon filters, RO units, etc.	10,000
6	Life saving equipments	Oxygen cylinders, aerator, compressor /Air blower, shade nets, netting for each tank, hand nets, packing machine, etc.	30,000
		Total Capital Cost (A)	**2,50,000**
1	Brood stock fish		10,000
2	Feed		6,000
3	Labour Cost		20,000
4	Power and fuel		5,000
5	Packing and Transport		5,000
6	Miscellaneous		4,000
		Total Operational Cost (B)	**50,000**
		Total cost involvement (A+B)	**3,00,000**

Sea Cage Farming

Sl.No	Particulars	Amount (₹)
A. Capital Expenditure		
1	Sea Cage Unit - Circular (3 m radius, 4 m depth) made of HDPE including moor-ing materials and nets	3,50,000
	Sub Total	**3,50,000**
B. Operational Expenditure for one crop (8 months)		
1	Cost of 900 nos. of fish seed @ ₹.40/seed	36,000
2	Cost of 5 tonnes of extruded pellet feed @ FCR 2.0 @ ₹50,000/tonne	2,50,000
3	Transportation, harvesting charges, unloading, etc.	40,000
4	Boat and fuel charge	30,000
5	Labour Charges	60,000
6	Maintenance (Net exchange / net cleaning / biofouling removal) & Miscellaneous Expenses	25,500
	Sub Total	**4,41,500**
	Grand Total	**7,91,500**

Seaweed farming

Model I: Cluster of 3 beneficiaries with 135 bamboo rafts (@45 rafts/ beneficiary)

A. Parameters

Sl. No.	Particulars	Amount (₹)/ Quantity
1	No. of beneficiaries per cluster	3
2	No. of rafts per beneficiary	45
3	Total no. of rafts/cluster	135
4	Crop duration per cycle	45 days
5	No. of crop cycles in a year	4
6	Total seaweed harvested from one raft (kg)	200
7	Total seed stock required for re-plantation of one raft (kg)	50
8	Net produce from one raft after deducting seed stock (kg)	150
9	Annual seaweed production from 135 rafts (after retaining 50 kg seed stock/raft for next crop (wet weight in kg)	81,000
10	Total dried seaweed production @ 10% of wet weight) (dry weight in kg)	8,100
11	Price of dried seaweed (₹. per kg)	90

B. Estimated project cost and returns

Sl. No.	Particulars	Amount (₹)
1	Capital Cost (for 135 rafts) @ ₹.2000/- per raft	2,70,000
2	Recurring Cost for 1st Cycle (for 135 rafts, including seed stock cost) @ ₹500 per raft	67,500
3	Total capital cost (Initial Project Outlay)	3,37,500
4	Recurring Cost from 2nd to 4th Cycle (for 135 rafts, excluding seed stock cost) @₹300/Raft/cycle)	1,21,500
5	Total Recurring cost (2+4)	1,89,000
	Total Cost [1+2+4]	**4,59,000**

Model II: Cluster of 3 beneficiaries with 45 monoline units (@15 units of monoline /beneficiary)

A. Parameters

Sl. No.	Particulars	Amount (₹)/ Quantity
1	No. of beneficiaries per cluster	3
2	No. of monoline per beneficiary	15
3	Total no. of monoline/cluster	45
4	Crop duration per cycle	45 days
5	No. of crop cycles in a year	4
6	Total seaweed harvested from one monoline (kg)	1200
7	Total seed stock required for re-plantation of one monoline (kg)	300
8	Net produce from one monoline after deducting seed stock (kg)	900
9	Annual seaweed production from 45 monolines (after retaining 300 kg seed stock/monoline for next crop (wet weight in kg) (for 4 crops)	162,000
10	Total dried seaweed production @ 10% of wet weight) (dry weight in kg)	16200
11	Price of dried seaweed (₹ per kg)	90

B. Estimated Project Costs & Returns

Sl. No.	Particulars	Amount (₹)
1	Capital Cost (for 45 monolines) @ ₹.9000/- per monoline	4,05,000
2	Recurring Cost for 1st Cycle (for 45 monolines, including seed stock cost) @ ₹3000 per monoline	1,35,000
3	Total capital cost (Initial Project Outlay)	5,40,000
4	Recurring Cost from 2nd to 4th Cycle in 1st year (for 45 monolines, excluding seed stock cost) @ ₹1500/monoline	2,02,500
5	Total recurring cost for 1st year (2+4)	3,37,500
	Total Cost for one year [Sl. No. 3+4]	**7,42,500**

Mud Crab Fattening

a) Capital Investment cost for one unit

Sl. No.	Particulars	Qty.	Unit	Rate (₹)	Amount (₹)
1	Cost of Garden Fencing Net, fencing area of 200 Sq. m	850	Sq. M	180	1,53,000
2	Bamboos for construction of periphery net fencing and catwalk	700	No's	80	56,000
3	Installations and catwalk construction	----	----	----	14,000
4	Cost of Cable ties for peripheral fencings.	20	PKT	100	2,000
5	Cost of Silpaulin Sheet around the Peripheral Pens	850	RM	80	68,000
6	Hideouts for grow out area	----	----	5000	5,000
7	Miscellaneous items Weighing Balance, Plastic ware items, insulated boxes, torch light etc.,	----	----	7000	7,000
8	Labour Cost for fixing the pen	5	No's	2000	10,000
	Sub Total				**3,15,000**
Working Capital (Water Crab, Seed, Transportation)					**35,000**
Total (for installation of 1 unit for 1 cycle)					**3,50,000**

Hygienic Dry Fish Production and Value Addition Unit

SI. no	Details	Cost 2026-27 (₹)
A	**Fixed Investment**	
1	Polythene sheet	10,000
2	Solar dryer with drying chamber, blowers, polycarbonate sheets, rollers, and solar panel)	1,50,000
3	Stainless steel drying trays & racks (foodgrade)	20,000
4	Fish cleaning & preprocessing unit (washing tanks, cutting table, knives, hygienic accessories)	15,000
5	Vacuum packaging machine, Labelling Materials and Weighing balance	50,000
6	Miscellanous	5,000
7	Total capital cost of one unit (A)	2,50,000
B	**Variable Cost**	
1	Raw fish procurement	50,000
2	Salt / cleaning / consumables	10,000
3	Labour / handling / hygiene	10,000
4	Utilities & maintenance	5,000
5	Transport / marketing / miscellaneous	15,000
6	Total Vaiable cost (B)	90,000
	TOTAL COST (A+B)	**3,40,000**

Biofloc Culture unit

Sl. No	Particulars	Unit Cost (₹)
1	Setup of Tarpaulin/Fibre tanks (15,000 Litres capacity, 7 No's, 4 metre diameter, 1.5 meter height,1.20 m water depth)	1,82,000
2	Shed material and accessories fixing charges- 200 m2	1,23,000
3	Water supply borewell(3HP)	1,00,000
4	PVC pipe fittings for air, water flow	75,000
5	Nets and accessories	15,000
6	One Blower (1 HP), Air stones and other accessories	35,000
7	Electrification	10,000
8	Power generator(2 KVA)	45,000
9	Weighing balance	10,000
10	Miscellaneous expenses	20,000
	Total Capital Cost (A)	**6,15,000**
1	Feed cost(FCR 1: 1.5, ₹ 40/kg *4.2 Tons)	1,68,000
2	Seed cost (7000*2.5 ₹)	17,500
3	Probiotics, Test kits	24,500
	Total Variable Cost (per one crop)	**2,10,000**
	Grand Total	**8,25,000**

Fishing Crafts & Gears

Item of Investment	Unit / Rate	Unit Cost (₹)
Fibre Reinforced Plastic (FRP) Catamaran	Size: 18 ft.	1,00,000
Fibre Reinforced Plastic (FRP) Catamaran	Size: 28 ft. 7 years Gestation period : 10 months. Repayment: Annually	2,50,000
Plank Built Boat (Vallam)	Size : upto 30 ft	2,20,000
Out Board Motor (OBM) for Catamaran	6 HP	65,000
Out Board Motor for Vallam	9.9 HP	1,35,000
Fishing Gears-cost includes cost of webbing, ropes, floats, sinkers, etc.		
Gill net - Kavala valai	120 kg @ ₹740 / kg	88,800
Gill net – Thattakavala valai	120 kg @ ₹680 / kg	81,600
Gill net – Pannu valai	120 kg @ ₹580 /kg	69,800
FRP Catamaran (Size: 18 ft.) with OBM of 6 HP and Fishing Gears	Cost of FRP Catamaran, OBM, Gears (2 nos.), running cost, crew expenses (3 persons) for first month	3,50,000
FRP Catamaran (Size: 28 ft.) with OBM of 6 HP and Fishing Gears	Cost of FRP Catamaran, OBM, Gears (2 nos.), running cost, crew expenses (4 persons) for first month	6,20,000
Vallam with OBM of 9.9 HP and Fishing Gears	Cost of FRP Catamaran, OBM, Gears (2 nos), running cost, crew expenses (5 persons) for first month	6,50,000

8. RENEWABLE SOURCE OF ENERGY AND WASTE MANAGEMENT

(Amount in ₹)

Renewable Source of Energy & Waste Management	Unit	Deenabandhu Model	KVIC Model
Biogas 2 Cum	Nos.	35,000	35,000
Biogas 3 Cum	Nos.	45,000	45,000
Biogas 4 Cum	Nos.	60,000	60,000
Solar Pumpsets			
DSWHS 100 Lpd	Nos.	30,000	
NDSWHS 1000 Lpd	Nos.	2,50,000	
Photo Voltaic, Thermal and Decentralised applications	Nos.	30,000	

Other Activities	Unit	Unit Cost (₹)
Pair of Bullocks	Pair	1,00,000
Bullock cart	No.	90,000

SUBSIDY SCHEMES
Source; Department of Agriculture, Chennai, TN

SL. No.	Name of the Scheme (Component wise)	Scheme details (% of subsidy available)	Name of the website/Portal
1	**Kalaignarin All village Integrated Development Programme**		
I.	Bush clearance, levelling and ploughing in fallow land clusters	50% subsidy (or) Rs.9,600/-per Hectare, whichever is less	https://www. tna-grisnet.tn.gov.in/
II.	Bush clearance, levelling and ploughing in individual farmers fallow lands	50% subsidy (or) Rs.9,600/- per Hectare, whichever is less	
III.	Encouraging cultivation of pulse crops in bunds	50% subsidy (or) Rs.300/- per Hectare, whichever is less	
IV.	Demonstration for improving the soil f ertility by increasing the beneficial microorganism in soil	50% subsidy (or) Rs.450/- per Hectare, whichever is less	
V.	Distribution of Power / Battery operated sprayer	50% subsidy (or) Rs.3,000/- per unit, whichever is less	
2	**State Agricultural Development Scheme**		
I	**Kuruvai special package**		
	a. Delta	1. Incentive for Paddy Machine planting (100% Subsidy) @Rs. 4000/Acre	
	b. Non Delta	1. Incentive for Paddy Machine planting (100% Subsidy) @ Rs. 4000/Acre 2. Distribution of paddy MN mixture (50% Subsidy) @ Rs.147.6/Acre 3. Distribution of liquid biofertilizers	https://www. tna-grisnet.tn.gov.in/
II	**Summer Ploughing**	(50% Subsidy) @ Rs.60/Acre 50 % subsidy (Rs.800/ acre), A farmer can avail subsidy maximum up to five acres	https://www. tna-grisnet.tn.gov.in/
III.	**Alternate Crops**		
	a. Pulses	Rs. 1250/acre (Seeds, Biofertilizers, Pesudomonas / T.viridi, Foliar Spraying Charges)	
	b. Oilseeds	Rs. 1250/acre (Seeds, Biofertilizers, Pesudomonas/T.viridi, MnSO4, Intercultural Operations)	
V.	**Cotton Production Enhance-ment scheme**	1) High Density Planting System – 100% subsidy Limited to Rs. 15,000/acre	https://www. tna-grisnet.tn.gov.in/
		2) Agro Eco System Analysis based crop health management – 100% subsidy limited to Rs. 12,250/acre	
		3) Distribution of Cotton MN mixture – 75% subsidy @ Rs. 3,125/ acre whichever is less.	
		4) Hiring charges for spraying of pesticides through drones – 50% subsidy @ Rs. Rs. 3,125/ acre whichever is less.	

SL. No.	Name of the Scheme (Component wise)	Scheme details (% of subsidy available)	Name of the website/Portal
VI.	**Red Gram Area Expansion Programme**	Rs.2500/ac (Seeds, Biofertilizers, Organic Inputs, Pseudomonas, Foliar Spraying Charges)	
3	**Chief Minister's Mannuyir Kaathu Mannuyir Kaappom Scheme (CM MK MKS)**		
I.	Distribution of Green manure seeds	50% subsidy (maximum Rs. 1250 per acre per farmer)	https://www.tnagrisnet.tn.gov.in/
II.	Distribution of Vermi-beds	50% subsidy (maximum Rs. 3000 per Vermi bed)	
III.	Establishing Organic Input Production Centre for Farmers Group	Financial Assistance (Rs.1 lakh / group)	
IV.	Creation of Organic Farming Model Plot	Financial Assistance (Rs.10,000/ plot)	
V.	Distribution of Neem Tree Seedlings	100% subsidy	
VI	Distribution of Aduthoda & Nochi seedlings	100% subsidy	
VII	Cultivation of traditional paddy varieties having medicinal properties like Sivan samba	Production incentive - Rs.15 / kg Distribution subsidy - 50% - Rs.35 /kg	
VIII	Nel Jayaraman Mission - Conservation of Traditional Paddy Varieties (Distribution of Seeds)	Distribution subsidy - 50% -Rs.35 /kg	
IX	Conservation of traditional Millets and Pulses varieties (Distribution of seeds)	Distribution subsidy - 50% - Rs.60 /kg	
4	**Tamil Nadu Millet Mission**		
I.	Cluster Demonstration on Millets	Rs. 6000/ Ha	https://www.tnagrisnet.tn.gov.in/
II.	Increasing Millet area under cultivation through Alternate cropping	Rs. 1250/ Acre or 50% subsidy whichever is less	
III.	Distribution of Minor Millet Mini-kits	Rs.300/ nos. (100 % Subsidy)	
IV.	Certified Seed Production Subsidy	Rs.3000/ Qtl	
V.	Back ended Subsidy for Minor Millet Cultivation	Rs. 4000/Ha	
VI	Formation of Millet Farmer group	Rs.1000/Group	
5	**Malaivazh Uzhavar Munnetra Thittam**		
I.	Distribution of Minor Millet Mini kits	Rs.300/ nos. (100 % Subsidy)	https://www.tnagrisnet.tn.gov.in/
II.	Back-ended Subsidy for Minor Millet Cultivation	Rs. 4000/Ha	
6	**Additional 20% Subsidy to Small and Marginal Farmers for High Value Schemes**		

SUBSIDY SCHEMES
Source; Agricultural Engineering Department, Chennai, TN

SL. No.	Name of the Scheme (Component wise)	Scheme details (% of subsidy available)	Name of the website/Portal
1	Sub Mission on Agricultural Mechanization	• Subsidy assistance for the purchase of Agricultural Machinery /Implements, establishment of Solar driers and purchase of value addition machinery. • 50% subsidy or the maximum permissible subsidy prescribed by the Union Government whichever is less for Scheduled Caste, Scheduled Tribe, Small, marginal and Women farmers and 40% subsidy or the maximum permissible subsidy prescribed by the Central Government whichever is less for other beneficiaries. • Additional top up subsidy of 20% is provided in addition to the existing subsidy assistance of 50% to Small and Marginal farmers of SC and ST category through the State Government fund with the total subsidy of 70%. • Additional subsidy of 10% in addition to the existing subsidy assistance of 50% is provided to Small and Marginal farmers of General Category for the purchase of Paddy Transplanter and Power weeder through the State Government fund with the total subsidy of 60%. • Providing 40% subsidy assistance at the maximum of Rs.10 lakh for the project cost of Rs.25 lakh for establishment of Block level custom hiring centers. • Providing 80% subsidy assistance at the maximum of Rs.8 lakh for the project cost of Rs.10 lakh for establishment of Village level custom hiring centres. • Beneficiaries are free to choose any type of approved Agricultural Machinery and Implements from the manufacturers empaneled by Agricultural Engineering Department.	https://aed.tn.gov.in
2	'End to End mechanization' in cultivation of crops	Full subsidy will be provided to the land giving farmers for demonstration through Agri-Tech Entrepreneur for carrying out demonstration in all farming activities such as Ploughing, Sowing, Weeding, Crop protection, Harvesting and Crop residue management by engaging Agri- cultural machinery.	https://aed.tn.gov.in

SL. No.	Name of the Scheme (Component wise)	Scheme details (% of subsidy available)	Name of the website/Portal
3	Hiring out Agricultural machinery for Land Development through e-Vaad- agai in Uzhavar mobile App	Hiring out machinery to farmers at Government fixed nominal hire charges for the agricultural operations such as Land Shaping, Land Levelling, Ploughing, Puddling, Sowing, Weeding, Harvesting, Threshing and Crop residue management.	https://mts.aed. tn.gov.in/evaadagai
4	Hiring out machinery for Creation of Ground Water Sources for Irrigation through e-Vaadagai in Uzhavar mobile App	Hiring out machinery to farmers at Government fixed nominal hire charges to execute the works such as Construction of tube wells in alluvial soil, Revitalization of open wells by deepening in hard rock areas, Selection of sites for construction of open wells and bore wells.	https://mts.aed. tn.gov.in/evaadagai
5	Chief Minister's Scheme of Solar Powered Pump sets	• 80% subsidy assistance to Small and Marginal farmers of SC and ST Category • 70% subsidy assistance to other farmers in SC and ST category and Small, Marginal farmers of General category and 60% subsidy assistance to other farmers with reliable water sources for irrigation without electric power connection. • For the provision of 10 to 15 hp Solar powered pump sets to the individual farmers, subsidy will be limited to that of 7.5 hp.	https://aed.tn.gov.in
6	Installation of Solar Fencing	• An individual farmer is eligible for subsidy assistance up to 2 hectare area for a maximum length of 566 metres. • 50% of the total cost of the Solar fencing unit will be provided to farmers as subsidy assistance. • Farmers with adjacent agricultural lands can benefit from working together. • Additional top up subsidy of 20% is provided to small and marginal farmers of SC and ST through the State Government fund.	https://aed.tn.gov.in
7	Installation of Solar driers	• Subsidy assistance of Rs.3.50 lakh or 50% of total cost whichever is less for SC/ST, small, marginal and women farmers per unit, Rs.2.80 lakh or 40% of total cost whichever is less for other beneficiary per unit.	https://aed.tn.gov.in
8	Kalaignarin All Village Integrated Agricultural Development Programme	• 100 percent subsidy for all the scheme components, as per the guidelines	https://aed.tn.gov.in

SL. No.	Name of the Scheme (Component wise)	Scheme details (% of subsidy available)	Name of the website/Portal
9	Rejuvenation of open wells	• 50% subsidy or a maximum of Rs. 2.50 lakh per well will be provided back-ended subsidy	
10	Creation and Maintenance of Rainwater Harvesting Structures using AED owned machinery	• 100% subsidy	https://aed.tn.gov.in
11	Special Area development Programme (SAOP)	• Community works -100% subsidy	https://aed.tn.gov.in
12	Dam Rehabilitation and Improvement Project (DRIP-II)	• Field bunding with vegetative cover • Stream Bank Protection Walls, Gabion Check Dams, Check Dams, Silt Monitoring Stations • 100% subsidy for all the above works	https://aed.tn.gov.in
13	Ensuring flow of water to tail end farmers	• 100% subsidy	https://aed.tn.gov.in
14	Providing Electric motor pump sets to farmers at subsidy	• 50% subsidy subject to a maximum of Rs.15,000/- per electric motor pump set	https://aed.tn.gov.in
15	Skill Development Training in operation of Tractor	• Training at free of cost	https://aed.tn.gov.in

SUBSIDY SCHEMES

Source; Tamil Nadu Livestock Development Agency, Animal Husbandry Department, Chennai, TN

SL. No.	Name of the Scheme (Component wise)	Scheme details (% of subsidy available)	Name of the website/Portal
1	Entrepreneurship Development Programme Under National Livestock Mission	Details in www.dahd.nic.in	www.dahd.nic.in

(* All subsidy schemes are as per the FY2025-26)

District Development Managers

Sl. No.	Name of the Districts covered	Name of the officer posted in the district	Designation	Mobile No.	E-mail
1	Chengalpattu	Kiruthika T P	AGM	9172707510	chengalpattu@nabard.org
2	Chennai	T. R. Vijayalakshmi	AGM	7406044474	chennaimetro@nabard.org
3	Coimbatore	Mahmood Hussain	AGM	9600189231	coimbatore@nabard.org
4	Cuddalore	Sasi Kumar C	AGM	9962745553	cuddalore@nabard.org
5	Dharmapuri	K K Narmadha	Manager	6382286435	dharmapuri@nabard.org
6	Dindigul	Harish V	AGM	9940189717	dindigul@nabard.org
7	Erode	Ashok Kumar T	AGM	8667329206	erode@nabard.org
8	Kallakurichi	Senthilvel B	Manager	9962256223	kallakurichi@nabard.org
9	Kancheepuram	Divya.K	Manager	7358282206	Kancheepuram@nabard.org
10	Kanyakumari	Sharon Herbert	AGM	8681088124	kanyakumari@nabard.org
11	Karur	Thamothiran K	Manager	8056657545	karur@nabard.org
12	Krishnagiri	Ramesh S	AGM	9952863594	krishnagiri@nabard.org
13	Madurai	Sakthi Balan A.S.	AGM	9003619210	madurai@nabard.org
14	Nagapattinam	Siddhu Adhiaman A	Manager	9489634545	nagapattinam@nabard.org
15	Namakkal	Subash V	Manager	8590698365	namakkal@nabard.org
16	Perambalur	Shathesh Kumar R	Manager	9597770978	perambalur@nabard.org
17	Pudukkottai	Deepak Kumar R	Manager	8848596797	pudukkottai@nabard.org
18	Ramanathapuram	Arun Kumar K	AGM	9324863269	ramanathapuram@nabard.org
19	Salem	S Sheba Sangeetha	AGM	8754575865	salem@nabard.org
20	Sivaganga	Anish Kumar G S	AGM	9789597761	shivganga@nabard.org
21	Thanjavur	Durga Uma Maheswari G	AGM	7338882378	thanjavur@nabard.org
22	Theni	Robinson Raja J	Manager	9344689881	theni@nabard.org
23	Thiruvallur	K.Balachandran	AGM	9940615500	thiruvallur@nabard.org
24	Thoothukudi	Sadam Husshine R	Manager	6369628112	thoothukudi@nabard.org
25	Tiruchirapalli	Dhinesh S R	Manager	9600102170	tiruchirapalli@nabard.org
26	Tirunelveli	Sashi Kumar B	AGM	8291050808	tirunelveli@nabard.org
27	Tiruppur	Shyampriya R	AGM	9489603301	tirupur@nabard.org
28	Tiruvannamalai	M Vijay Neehar	AGM	9009305215	tiruvannamalai@nabard.org
29	Tiruvarur	Meshya S	Manager	8104793882	tiruvarur@nabard.org
30	UT of Puducherry	R.V.Sidharthan	AGM	7299790400	puducherry@nabard.org
31	Vellore	Sripadharajan R	AGM	9894649080	vellore@nabard.org
32	Villupuram	V. Ravishankar	AGM	9600032580	villupuram@nabard.org
33	Virudhunagar	Anusha Elizabeth	AGM	8817812814	virudhunagar@nabard.org

NABKISAN FINANCE Limited

A Subsidiary of NABARD

- Largest lender in FPO space
- Present in 20+ States
- 1400+ FPOs credit linked
- Collateral free lending at affordable rates
- Financing FPOs through
  - Working Capital
  - Term loan
  - Pledge Financing (eNWR)
- Term lending for Corporates/ NBFCs/ MFIs
- Soft loans for Agri Startups

Corporate Office
C/o NABARD, Mumbai
e-mail:corporate@nabkisan.org
Phone:022- 26539620/26539415

Registered Office
C/o NABARD, Tamil Nadu RO, Chennai
e-mail:finance@nabkisan.org
Phone:044- 28270138/28304658

www.nabkisan.org
Web-portal:krishimanch.co.in

NABARD Consultancy Services Private Limited [NABCONS]

A wholly owned Subsidiary of NABARD ISO-9001:2015 COMPANY

OFFERS CONSULTANCY AND ADVISORY SERVICES
Pan India Presence with offices in 31 States/UTs

AREAS OF OPERATION

- Agriculture & Allied Activities
- Off-farm Sector
- Horticulture
- Forestry
- Corporate Social Responsibility
- Watershed Development
- Irrigation & Water Resources
- Socio-economic Development
- Natural Resource Management
- Food Processing
- Banking & Finance
- Skills for Livelihood
- International Business
- Value Chain Development
- Infrastructure Monitoring
- Climate Change

Registered Office
NABARD, Plot No. C-24,
G Block, BKC, Bandra (East)
Mumbai-400051, Ph: 022-26539419
e-mail:headoffice@nabcons.in

Corporate Office
NABARD Tower, 7th floor
Rajendra Place, New Delhi -110125
Ph: 011-25745103/07
www.nabcons.com

NABFINS Limited

A Subsidiary of NABARD

- A Non Deposit taking Systemically Important NBFC – MFI with a vison to become a model MFI in the country
- 63% of shares held by NABARD, with other shareholders being Government of Karnataka and Public Sector Banks
- Mission - To be a trusted client centric financial institution advancing hassle free services to the low income house-holds and the unorganised sector
- The company has a range of financial products and services including financing of SHGs in partnership with NGOs and JLGs directly through its branches
- Operating across in 16 States of India and touching lives of more than 5.50 lakh households with a commitment towards their socio-economic empowerment and furthering the cause for financial inclusion

Registered Office: #3072, 14th Cross, K R Road, Banashankari 2nd stage, Bengaluru - 560 070, Karnataka, India
e-mail: ho@nabfins.org Phone: 080 2697 0500 www.nabfins.org

NABSanrakshan Trustee Private Limited, A wholly owned Subsidiary of NABARD

Building Trust for Rural Prosperity

- Offers credit guarantee through the Trusts under its Trusteeship
- Two sovereign Credit Guarantee Schemes offered:
  - FPO Financing
  - Under Animal Husbandry Infrastructure Development Fund (AHIDF)
- Credit guarantee given against the credit offered by the Eligible Lending Institutions registered under the Scheme

Corporate Office
NABARD, Plot No. C-24,
G Block, BKC, Bandra (East)
Mumbai-400051
Ph:022-26539243/26539241
e-mail:ho@nabsanrakshan.org

NABVENTURES Limited

A wholly owned Subsidiary of NABARD

NABVENTURES Ltd., a Company registered under the Companies Act, 2013, with a paid-up capital of INR 25 crore, is the Sponsor and Investment Manager of NABVENTURES Fund-I, a SEBI-registered Category II Alternative Investment Fund (AIF), with a base corpus of INR 500 crore and greenshoe option of INR 200 crore.

Investment focus: Start-ups/MSMEs operating in/with

- **Sectors:** Agri-tech, rural fin-tech, food-tech, health-tech and edu-tech, with a rural focus
- **Stage:** Pre-Series A (INR 5-20 cr.) & Series A (INR 20-50 cr.)

Model: asset-light, technology-led models, which can be quickly scaled up across geographies

As on 31st March 2022:

- **Corpus raised:** INR 598 crore
- **Investments made:** INR 148.21 crore in 9 start-ups

Registered Office: NABARD, 2nd Floor, A Wing,
Plot No. C-24, G Block, BKC, Bandra (East), Mumbai-400051

e-mail: nabventure@nabard.org Phone: 91-22-26539149 www.nabventure.in

NABSAMRUDDHI FINANCE Limited

A Subsidiary of NABARD

"The objective of NABSAMRUDDHI is to provide credit facilities to legal entities for the promotion, expansion, commercialisation and modernisation in non-farm & agri allied activities including microfinance, MSME, housing, education, transport, etc."

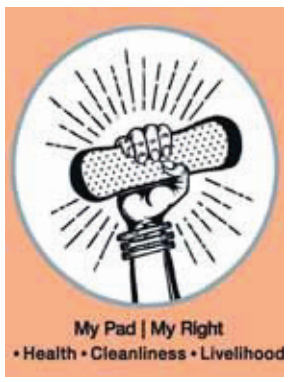
FOCUS SEGMENTS	OTHER SEGMENTS
Green Finance & Wellness (Renewable Energy, Electric Vehicle, Healthcare, WASH) Fabrics & textiles, Handicrafts	› Small Business › Microfinance › Transport › Housing › Education › Allied Agriculture › Agri/Food processing

Corporate Office:
NABARD, Gr. Floor, D Wing,
Plot No. C-24, G Block, BKC, Bandra (East),
Mumbai-400051
Ph: 022-2653 7091/9693
e-mail: nabsamruddhi@nabard.org

Registered Office:
NABARD, Regional Office
1-1-61, RTC'X' Road, P.B. No. 1863
Hyderabad- 500020, Telangana
Ph: 040-23241155/56
www.nabsamruddhi.in

NABFOUNDATION

Leveraging the power of convergence



NABFOUNDATION is a wholly owned, not for profit, subsidiary of NABARD, established under Sec 8 of Companies Act, 2013. The organization draws its strength and experience from the thousands of development projects grounded by its parent body, NABARD, in multiple domains over nearly last four decades.

What does **NAB**FOUNDATION want from you ?

IF YOU ARE AN INDIVIDUAL
Reach out to us with your ideas about development projects which you believe need to be implemented. We really look forward to your fresh ideas

IF YOU ARE A CIVIL SOCIETY ORGANIZATION/ NGO
With an idea whose time you think has come and have not been able to find willing partners, reach out to us

IF YOU ARE A CSR UNIT
Of a corporate and believe that there is a scope for collaborating with us to have access to the vast network of resources of NABARD in a structured manner, just give us a call

IF YOU ARE WITH THE GOVERNMENT
And believe that there is a need for reimagining implementation of your Central or State government projects, allow us to be a part of your vision

Registered Office: NABARD, 2nd Floor, B Wing, Plot No. C-24, G Block, BKC, Bandra (East), Mumbai-400051

e-mail:nabfoundation@nabard.org Phone: 91-22-2653 9404/9054 www.nabfoundation.in